

NETWORKING SOLUTIONS.

Empowering connections, through an end-to-end
networking range designed for the future.

General catalogue



orca

Together, Tomorrow.

ORCA





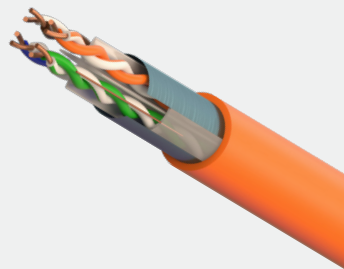
Together, Tomorrow.





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Orca, at the heart of Networking

Solutions characterized by high manufacturing quality and ease of installation and use.

In the current market of technologies for **Networking** and **Telecommunications**, what makes the difference is the opportunity of having complete solutions with a single brand, product customization, certification of compliance with European and international standards, and the availability of competent and up-to-date technical support.

These are the distinctive features of Orca, a manufacturer

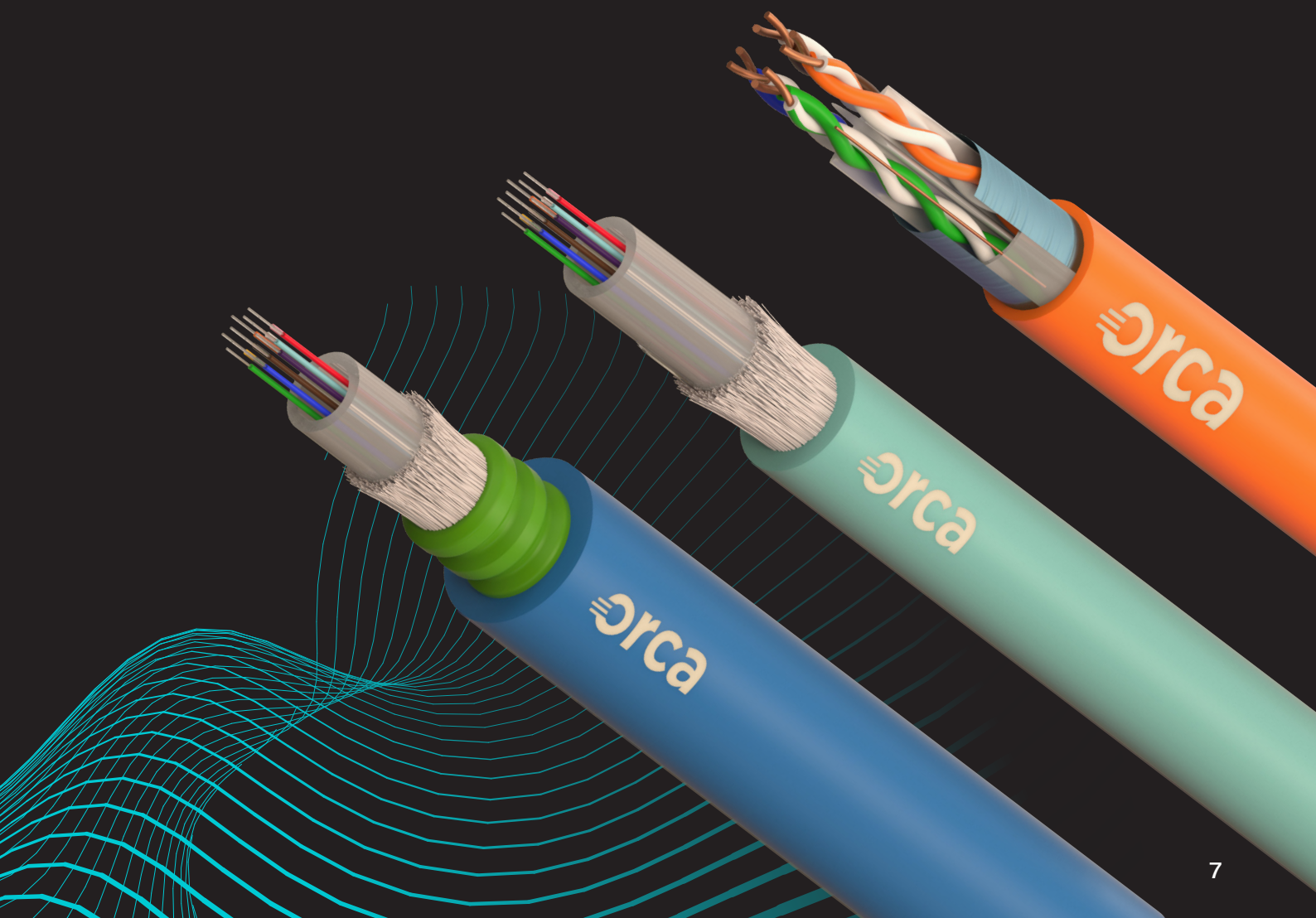
of passive structured cabling solutions and infrastructure systems in various fields which include copper, optical fiber, rack cabinets and switching. Orca's portfolio includes patch panels, patch cords, copper cables in CAT. 5E, CAT. 6, CAT. 6A, and CAT. 7, optical fiber (OM1, OM2, OM3, OM4, and OM5), media converters, and everything related to the passive system of a LAN network.

QUALITY AND CERTIFICATIONS

Our company is **ISO 9001-2015 certified**. We create solutions that are 100% compliant with international standards and meet the requirements of the Construction Products Regulation (CPR) in the field of data, audio, and video transmission.

All Orca-branded copper and fiber optic cables are 100% compliant, including with the **CPR**.

Furthermore, with its products, our company meets all the standards for producing and marketing telecommunications solutions in the EMEA market.



Become an Orca Partner



If you are an installer, you can apply to become an Orca Networking Partner and your application will be evaluated based on several criteria. You can acquire Partner status if your company is engaged in projects or tenders that meet Orca's quality standards and those of your target market.

To become part of the program you will first need to take a theoretical and practical course on the complete range of copper and fiber solutions.

You will also need to spend time **training your employees** to stay abreast of Orca's latest product technologies and solutions.

BENEFITS OF THE PARTNER PROGRAM

1

Assistance in all after-sales phases

2

Access to Orca's complete catalog

3

Cooperation, mutual trust and common goals

WHAT DOES THE PROGRAM GUARANTEE YOU?

The advantages of becoming our certified partner are different.
Specifically, you will have access to:



DEDICATED TECHNICAL
SUPPORT



COMMERCIAL SUPPORT
ON SITE



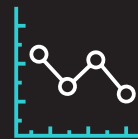
CONTINUOUS DIRECT
CONTACT WITH THE TEAM



PRIVILEGED ACCESS TO
ORCA'S NETWORKING
TECHNICAL RESOURCES



HELP IN CREATING CASE
HISTORIES FOR YOUR
CUSTOMERS



ACCESS TO LEADS
GENERATED BY VENDOR
DEMAND CREATION



SUPPORT IN DEVELOPING
COURSES FOR YOUR TEAM OR
CLIENTS, IN THE CLASSROOM
OR ONLINE



SUPPORT TO CREATE
EVENTS FOR YOU AND
YOUR CUSTOMERS



ORCA'S NETWORKING
MATERIALS TO USE IN YOUR
PROMOTIONAL ACTIVITIES



OUR ORCA LIFETIME
WARRANTY ON
INSTALLED SYSTEMS

**DO YOU WANT TO BE PART OF OUR
PARTNER PROGRAM?**

Find out all the details on orca.it/partner

More security with Orca Lifetime warranty



A confirmation of the reliability of Orca's solutions

All Orca products meet high quality standards, but to give something more to those who choose our solutions we have created Orca Lifetime.

Orca Lifetime is the warranty that covers the manufacturing defects of individual components for a "lifetime" (based on the life span of the laying cable), in the event that these affect the functionality of the system, and ensures compliance of the products with the minimum requirements by ISO / IEC 11801,

ANSI / TIA / EIA-568-A and EN 50173 standards for copper and optical fiber.

A confirmation of the reliability of the Orca brand solutions, dedicated and reserved for the end users of our systems who are looking for a warranty, today and in the future, making use of our certified Partners' experience. We like to call ourselves a "big family" because we share the same values and goals.

HOW DOES **ORCA LIFETIME** WARRANTY WORK?

Orca prides itself in respecting the guarantee towards the person or company requesting the certificate. Specifically, our Orca Lifetime warranty will be applied in the system that the partner has installed only and exclusively if:

- 1.** New Orca products in original packaging were used for permanent links.
- 2.** The system has been designed as indicated in the system specifications.
- 3.** The products are installed in a workmanlike manner and in accordance with the approved project.
- 4.** The system is tested in the correct manner and with the aid of certified instrumentation only.
- 5.** Within 60 days of installation, the documents and the results of the system test are sent to Orca's office, which will examine the documentation and register the warranty.
- 6.** Regular maintenance of the systems is carried out.

Once the documents have been examined, Orca will send the partner an e-mail notification with the Warranty certificate relating to the installed system. If the partner is no longer in

business, the end user can directly contact Orca's office to select a new partner who can guarantee continuity.

DISCOVER THE ADVANTAGES OF ORCALIFETIME

Visit our website orca.it/orcalifetime

Compliance and standards

Orca Networking is an Italian brand focused on structured cabling solutions, designed to meet the needs of the most varied installation opportunities in the telecommunications market. ORCA Networking offers a complete range of copper and optical fiber components, essential for the construction of network infrastructures in all segments: enterprise, data centers, SMEs, residential,

carrier, and public administration. All Orca Networking components are manufactured in compliance with **international standards** that regulate applications in the field of data transmission, audio, video, video surveillance, and integrated systems, thus being able to comply with European directives, such as the ROHS 2011/65 / EU related to the content of dangerous substances.

REACTION TO FIRE

The focus on compliance with rules and standards is ensured, in particular on the production of optical fiber and copper cables, with the CPR (Construction Products Regulation (EU) 35/2011). The European Construction Products Directive applies to any cable usable for fixed installation in buildings and is subject to performance requirements in terms of reaction and fire resistance.

Reaction to Fire BS EN ISO 1716		FSC Comment	Additional Classifications for Euroclasses B to D		
A _{ca}	Does not contribute to the fire	It will be almost impossible for a cable to meet Class Aca and due to availability, they should only be specified with extreme caution.			
Reaction to Fire BS EN 50399			Smoke Production BS EN 50399/ BS EN 61034-2	Flaming Droplets BS EN 50399	Smoke Acidity BS EN 60754-2
B1 _{ca}	Minimum contribution to the fire	It's very unlikely that commonly-used cables will be classified to Class B1ca.	s1a: s1 + transmittance >=80% (BS EN 61034-2) s1b: s1 + transmittance >=60% <80% (BS EN 61034-2) s1: Low production & slow propagation of smoke s2: Intermediate production & propagation of smoke s3: None of the above	d0: No fall of droplets of flaming particles timed for 1200 seconds d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds d2: None of the above	a1: Very low acidity (conductivity <2.5 μ S/mm & pH >4.3) a2: Low acidity (conductivity <10 μ/Smm & pH >4.3) a3: None of the above
B2 _{ca}	Combustible, low flame spread & heat release contribution to the fire	Similar to Class Cca although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.			
C _{ca}	Combustible, moderate flame spread & heat release	A more rigorous test than Class Dca this is widely accepted accross Europe as the "go to" classification, but aware, many cables do not meet Class Cca though availability is improving.			
D _{ca}	Combustible, moderate flame spread & high levels of heat generated	This classification has relatively little use or acceptance within specifying/contracting organisations. This is because no large scale fire growth is measured.			
Reaction to Fire BS EN 60332-1-2			Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2ca to Eca. For a cable to meet Aca, B1ca, B2ca or Cca, there also needs to be regular on-going factory audits.		
E _{ca}	Combustible, limited fire spread of less than 425mm	A basic test for vertical flame propagation for a single insulated wire or cable using a 1-kW pre-mixed flame. Note: this test does not measure heat release, toxic fumes or smoke.			
F _{ca}	Combustible, fire spread of more than 425mm	Cables classifies to Class Fca may have high levels of flammability de to the materials they are made of. This does not mean that the cable can not be used, it is more likely to be used in external.			

CONSTRUCTION PRODUCTS REGULATION

The Construction Products Regulation involves all the components (materials, artifacts, systems, etc.) that are made to become a permanent part of construction works (buildings and civil engineering works). These products must meet the requirements and performance related to the seven essential requirements for construction work:

1. mechanical strength and stability;
2. safety in case of fire;
3. hygiene, safety and care for the environment;
4. safety in use;
5. protection against noise;
6. energy saving;
7. sustainable use of natural resources in the construction of buildings.

	Class	Test methods	Classification criteria	Additional classification
<div> <div>non-flammable</div> <div>easily flammable</div> </div>	A_{ca}	EN ISO 1716	PCS ≤ 2,0 MJ/kg	
	B1_{ca}	EN 50399 (30 kW Burner) <i>and</i>	FS ≤ 1,75 m and THR _{1200s} ≤ 10 MJ; and Peak HRR ≤ 20 kW; and FIGRA ≤ 120 Ws ¹	Smoke production and flaming droplets/particles and acidity
		EN 60332-1-2	H ≤ 425 mm	
	B2_{ca}	EN 50399 (20,5 kW Burner)	FS ≤ 1,25 m; and THR _{200s} ≤ 10 MJ; and Peak HRR ≤ 30 kW; and FIGRA ≤ 150 Ws ¹	Smoke production and flaming droplets/particles and acidity
		EN 60332-1-2	H ≤ 425 mm	
	C_{ca}	EN 50399 (20,5 kW Burner) <i>and</i>	FS ≤ 2,0 m and THR _{200s} ≤ 30 MJ; and Peak HRR ≤ 60 kW and FIGRA ≤ 300 Ws ¹	Smoke production and flaming droplets/particles and acidity
		EN 60332-1-2	H ≤ 425 mm	
	D_{ca}	EN 50399 (20,5 kW Burner) <i>and</i>	THR _{200s} ≤ 70 MJ; and Peak HRR ≤ 400 kW and FIGRA ≤ 1300 Ws ¹	Smoke production and flaming droplets/particles and acidity
		EN 60332-1-2	H ≤ 425 mm	
	E_{ca}	EN 60332-1-2	H ≤ 425 mm	
	F_{ca}	Does not fulfil class E _{ca}		

WHAT DOES THE DECLARATION OF PERFORMANCE PROVIDE?

The key concept of Regulation 305/2011, compared to the CPD (Construction Products Directive) 89/106 / EEC, is the Declaration of Performance (DoP), which:

- is mandatory for all products covered by a harmonized standard;
- must contain information on the intended use;
- must contain the essential characteristics relevant to the intended use;
- must include the performance of at least one of the essential characteristics;
- holds the manufacturer responsible for the declared performances.

The CPR, Regulation 305/2011, has modified the conditions of access to the market and, since July 2013, construction products covered by harmonized standards (and therefore subject to the obligation of CE marking) or subjected to the European Technical Assessment (ETA) can only be placed on the market if:

- the manufacturer has drawn up the Declaration of Performance (DoP) for the product;
- the products for which the DoP has been drawn up are CE marked;
- the consistency of the performance of the product has been verified and certified.

ICONS LEGEND

CABLES CATEGORY



SHELDING



SHEATH CONSTRUCTION



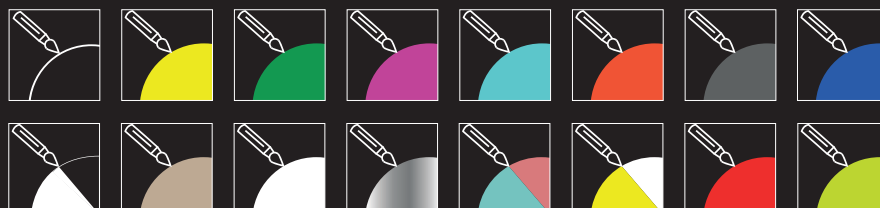
AMERICAN WIRE GAUGE



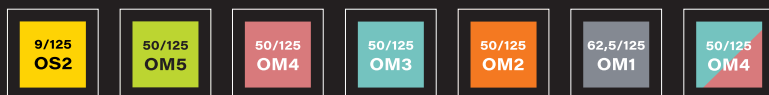
REACTION TO FIRE



COLOURS OF THE EXTERNAL SHEATS



FIBER OPTIC CATEGORY



INSTALLATION



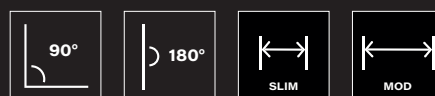
RODENT PROTECTION LEVEL



TOOL



INSERTION ANGLE




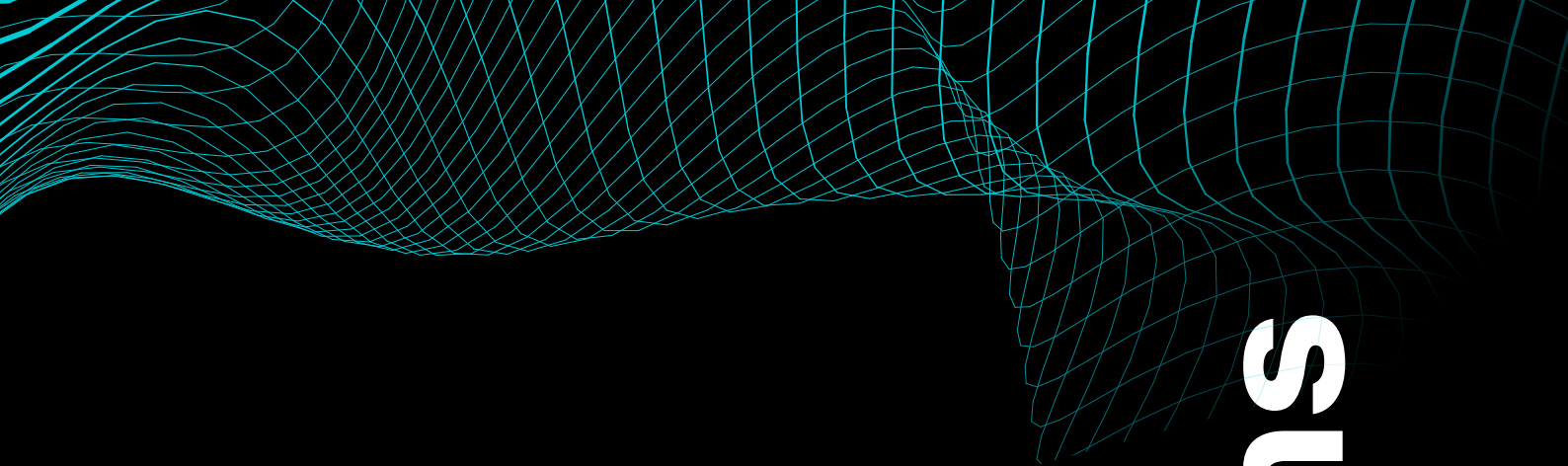
PACKAGING



CUTTING SERVICE







Copper Systems

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53	TELEPHONE
15	PLUGS
15	TOOLS

Copper systems

A single partner for all copper wiring needs

Orca Networking offers a full range of copper structured cabling solutions in the main Categories and Performance classes, following the most common standards, such as ISO / IEC, ANSI / TIA, and EN, 100% compliant with CPR reaction to fire requirements. Replacing the wiring at the heart of a building plant can represent an

extremely complex operation. That is why longevity is a basic value. To provide the correct security to end users, Orca offers its "lifetime" warranty program for installations performed by Orca Partners, with a view to not only investing in a "present" of reliability a wiring structured cabling system can offer, but in its future too.

SOLUTIONS RANGE

What do end-to-end ORCA's structured cabling solutions offer and guarantee to their partners?

CAT
5E

CATEGORY 5E

ORCA components in category 5E are studied and designed to manage in a safe, efficient and scalable way the transmission of data on an end-to-end channel.

CAT
6

CATEGORY 6 AND 6A

ORCA components in categories 6 and 6A are studied and designed to manage in a safe, efficient and scalable way the transmission of data on an end-to-end channel with the transmission capacity of high-speed voice and data between central units and peripherals for frequencies up to 250 mhz. An ideal solution for LAN applications such as 100 Base-T4, 100 Base-TX, 155 Mbps ATM, Token Ring, ISDN, ETHERNET supporting applications such as Fast Ethernet (100 BASE-T), Gigabit Ethernet (1000 BASE-T), 10 Gigabit Ethernet (10GBASE-T) and future generations.

CAT
6A

CAT
7

CATEGORY 7

The Cat.7 S / FTP shielded cable consists of 4 pairs of shielded individually-foiled twisted pairs, and it supports 10 Gigabit transmission line standards. Used in Ethernet network applications, it reaches a frequency of 600 MHz. This ORCA cable is offered in class CPR B2ca for installation in high-risk environments.

Copper cable CAT 7 S/FTP

**23AWG LSZH - B2ca
(s1a,d1,a1)**

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Construction and features

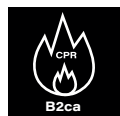
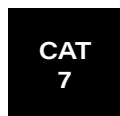
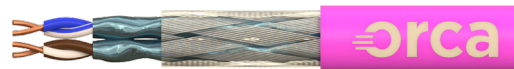
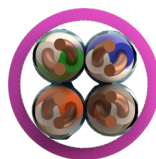
Material	LSZH – CPR B2ca-s1a,d1,a1
Diameter	Nominal: 7,80 ±0.40mm
Colour	Magenta (RAL-4010)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN50173-1:2018; EN 50173-2:2018, IEC61156-5:2012 (Ed.2.1), EN 50288-4-1:2013, EN 50288-10-1:2012, , EN 60332-1-2 (Fire Performance), EN61034-2 (Smoke Density), EN60754-2 (Halogen Free), EN 50399, EN 50575 (Reaction to fire)

Electrical features and performance

Operating Temperature: -25/70°C



CODE

DESCRIPTION

212216-01

ORCA – COPPER CABLE S/FTP Cat.7 AWG 23, 4cp, LSZH CPR Class B2ca (s1a,d1,a1) - Magenta (reel 500)

Copper cable CAT 6A UTP

**23AWG LSZH – Dca
(s2,d2,a1)**

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Construction and features

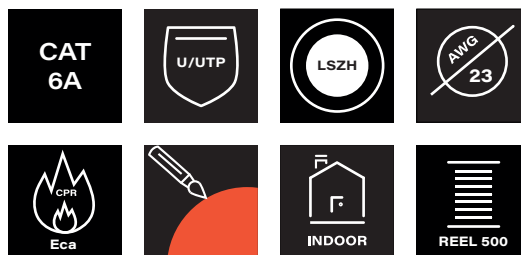
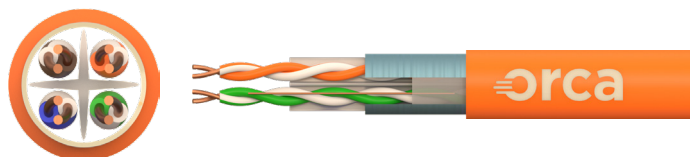
Material	LSZH – CPR Dca-s2,d2,a1
Diameter	Nominal: 7.4 ±0.20 mm
Colour	Orange (RAL-2009)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0) / ISO/IEC 11801-2:2017(Ed. 1.0); EN 60332-1 (Fire Performance), EN50173-1:2018 / EN 50173-2:2018; EN61034 (Smoke Density), IEC61156-5:2012 (Ed.2.1); EN60754 (Halogen Free), EN50288-10-1:2012; EN 50399, EN 50575 (Reaction to fire), ANSI/TIA-568.2-D:2018

Electrical features and performance

Operating Temperature: -25/70°C



CODE	DESCRIPTION
212215-22	ORCA - COPPER CABLE CAT 6A U/UTP "Alien Next Proof" LSZH - Dca - Orange

RELATED PRODUCTS

Patch panel

- 570129-24

Keystone

- 233124-00

Plug

- 233412-01

Patch cord series

- 224130-XX

Copper cable CAT 6A U/FTP

**23AWG LSZH - B2ca
(s1a,d1,a1)**

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM

Construction and features

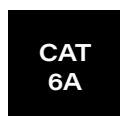
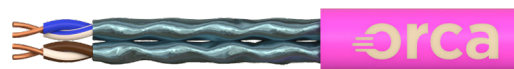
Material	LSZH - CPR B2ca-s1a,d1,a1
Diameter	Nominal: 7.60 ±0.40mm
Colour	Magenta (RAL-4010)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0) , ISO/IEC 11801-2:2017(Ed. 1.0), EN50173-1:2011, EN 50173-2:2007 including amendment A1:2010, IEC61156-5:2012 (Ed.2.1), EN50288-10-1:2012, ANSI/TIA-568-C.2:2009, EN 60332-1 (Fire Performance), EN61034 (Smoke Density), EN60754 (Halogen Free), EN 50399, EN 50575 (Reaction to fire)

Electrical features and performance

Operating Temperature: -25/70°C



CODE

DESCRIPTION

212214-22

ORCA - COPPER CABLE CAT 6A U/FTP LSZH - B2ca - Magenta

RELATED PRODUCTS

Patch panel

- 273124-24

Keystone

- 233224-00

Plug

- 233312-01

Patch cord series

- 224230-XX

Copper Keystone RJ45 CAT 6A UTP

Toolless

Application

10 Gigabit and Gigabit Ethernet, 10/100/1000 BASETx, 4/16 Mbps Token Ring, 155 Mbps ATM, 100 Mbps TPPMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice. Universal wiring labels permit termination to either T568A or T568B wiring patterns.



Description

ORCA® Category 6A Series jacks exceed TIA/EIA-568-B.2 requirements for Category 6A component performance. The ORCA Category 6A System complies with all of the performance requirements for current and proposed applications. Unshielded Modular jacks are unkeyed, 4-pair and meet the Category 6A performance requirements. Modular jacks shall be terminated using 110-style pc board connectors, colour coded for both T568A and T568B wiring. Each jack shall be provided with a bendlimiting strain relief.

Material specification

Dimension: 19,83 (H) x 16,80 (W) x 30,8 (D)

Performance

Insertion force: 30 N max. (IEC 60603-7-5)

Dielectrics strength: 1000 V RMS at 60Hz for 1 minute

Insulation resistance: 500 MΩ Min.



CODE	DESCRIPTION
233124-00	ORCA – Keystone Jack RJ45 CAT 6 UTP - White
233124-01	ORCA – Keystone Jack RJ45 CAT 6 UTP - Black

Copper Keystone RJ45 CAT 6A FTP

Toolless

Application

10 Gigabit and Gigabit Ethernet, 10/100/1000 BASETx, 4/16 Mbps Token Ring, 155 Mbps ATM, 100 Mbps TPPMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice. Universal wiring labels permit termination to either T568A or T568B wiring patterns.



Description

ORCA Category 6A Series jacks exceed TIA/EIA-568-B.2 requirements for Category 6A component performance. The ORCA Category 6A System complies with all of the performance requirements for current and proposed applications. Shielded Modular jacks are unkeyed, 4-pair and meet the Category 6A performance requirements. Modular jacks shall be terminated using 110-style pc board connectors, colour coded for both T568A and T568B wiring. Each jack shall be provided with a bendlimiting strain relief.

Material specification

Dimension: 19,33 (H) x 16,70 (W) x 38,8 (D)

Performance

Dielectrics strength: 1DC 1000 V, AC 750 V, no breakdown within 1 minute

Insulation resistance: 500 MΩ Min.



CODE

DESCRIPTION

233224-00

ORCA – Keystone Jack Cat 6A FTP – Toolless – Slim version

Copper Patch Panel CAT 6A - UTP



Application

Category 6A Unload Patch Panels provide excellent performance for high speed LANs from 10 Gb to Gigabit Ethernet 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice applications. 1U 19" standrad format is ideal for rack installation.

Material specification

Operation Temperature: -20 to 68 °C

Compliance

Wiring Printing: T568A & T568B wiring Printing on IDC. Numbered

Standard complinace and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
570129-24	ORCA – Patch Panel CAT. 6A UTP, 1U, 24P Unloaded with insert supplied

RELATED PRODUCTS

- Cable
 - 212215-22
- Patch cord series
 - 224130-YX

Copper Patch Panel CAT 6A - FTP



Application

Category 6A Density Patch Panels provide excellent performance for high speed LANs from 10 Gb to Gigabit Ethernet 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice applications. 1U 19" standard format is ideal for rack installation.

Description

High quality components and innovative IDC connection techniques with rear utilities colour coded for correct connection of FTP cable, grounded rear cable holder system. Front panel with numerical and icona tab identification.

Material specification

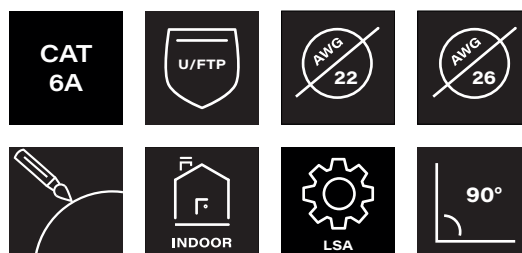
Operation Temperature: -20 to 68 °C

Compliance

Wiring Printing: T568A & T568B wiring Printing on IDC. Numbered with label icon

Standard complinace and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
273124-24	ORCA – Patch Panel CAT. 6A FTP, 1U, 24P Loaded

RELATED PRODUCTS

Cable

- 212214-22

Patch cord series

- 223240-YX

Tool

- 269000-00

Copper patch cord

CAT 6A U/UTP

LSZH

Application

Unshielded Unshielded Horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket LSZH

Braid Nom.O.D. 6,4 ±0,20 mm

Electrical Features and Performance

Operating Temperature: -10/+60°C



LENGTH (m)	CODE	DESCRIPTION
1	224130-01	ORCA – Copper Patch Cord Cat.6A UTP LSZH – White - L.1m
2	224130-02	ORCA – Copper Patch Cord Cat.6A UTP LSZH – White - L.2m
3	224130-03	ORCA – Copper Patch Cord Cat.6A UTP LSZH – White - L.3m
5	224130-05	ORCA – Copper Patch Cord Cat.6A UTP LSZH – White - L.5m
10	224130-10	ORCA – Copper Patch Cord Cat.6A UTP LSZH – White - L.10m

Copper patch cord CAT 6A S/FTP LSZH



Application

Shielded Horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket LSZH
Braid Nom.O.D. 6.0 ±0.20 mm

Electrical Features and Performance

Operating Temperature: -10/+60°C



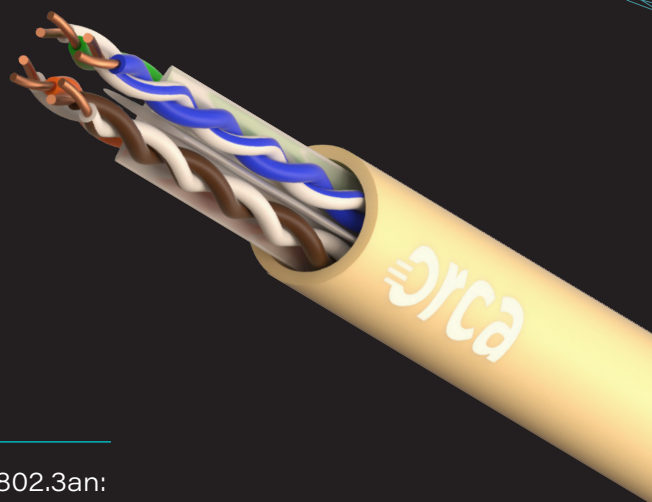
LUNGHEZZA (m)	CODE	DESCRIPTION
1	224230-01	ORCA – Copper Patch Cord Cat.6A S/FTP LSZH – White - L.1m
2	224230-02	ORCA – Copper Patch Cord Cat.6A S/FTP LSZH – White - L.2m
3	224230-03	ORCA – Copper Patch Cord Cat.6A S/FTP LSZH – White - L.3m
5	224230-05	ORCA – Copper Patch Cord Cat.6A S/FTP LSZH – White - L.5m
10	224230-10	ORCA – Copper Patch Cord Cat.6A S/FTP LSZH – White - L.10m

Copper cable CAT 6 U/UTP

24AWG LSZH - Eca

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+; Confirming to European regulation "CPR" EN 50575



Construction and features

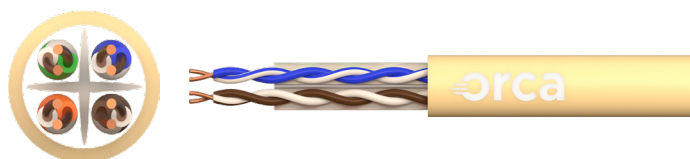
Material	LSZH – CPR Eca
Diameter	Nominal: 5.60 ±0.20 mm
Colour	White Cream (RAL-9001)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN50173-1:2018, EN 50173-2:2018, IEC61156-5:2012 (Ed.2.1), EN50288-6-1:2013, ANSI/TIA-568.2-D:2018, EN 60332-1-2 (Fire Performance), EN61034-2 (Smoke Density), EN60754-2 (Halogen Free), EN 50575 (Reaction to fire)

Electrical features and performance

Operating Temperature: -25/70°C



CODE	DESCRIPTION
212013-62	ORCA - COPPER CABLE CAT 6 U/UTP LSZH - Eca - Cream

RELATED PRODUCTS

Patch panel

- 273120-24
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00
- 233140-00

Plug

- 233112-01

Patch cord series

- 2231X0-XX
- 223142-XX

Copper cable CAT 6 UTP

**24AWG LSZH - B2ca
(s1a,d1,a1)**

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal),
IEEE 802.3an; 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB;
ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Construction and features

Material	LSZH - CPR B2ca-s1a,d1,a1
Diameter	Nominal: 6.2 ±0.40 mm
Colour	Magenta (RAL-4010)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0) / ISO/IEC 11801-2:2017(Ed. 1.0);
EN 60332-1-2 (Fire Performance) EN50173-1:2018 / EN 50173-2:2018;
EN61034-2 (Smoke Density); IEC61156-5:2012 (Ed.2.1);
EN60754-2 (Halogen Free); EN50288-6-1:2013; EN 50399,
EN 50575 (Reaction to fire) ANSI/TIA-568-D:2018

Electrical features and performance

Operating Temperature:-20/70°C



CODE

DESCRIPTION

212013-52

ORCA - COPPER CABLE CAT 6 U/UTP LSZH - B2ca - Magenta

RELATED PRODUCTS

Patch panel

- 273120-24
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00
- 233140-00

Plug

- 233112-01

Patch cord series

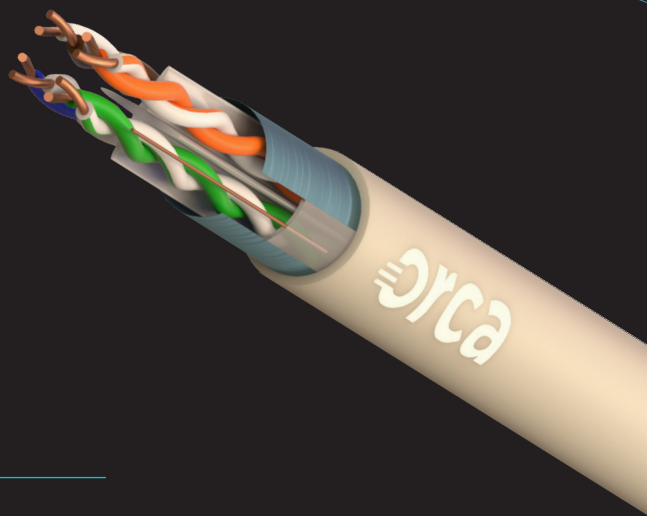
- 2231X0-XX
- 223142-XX

Copper cable CAT 6 F/UTP

24AWG LSZH - Dca

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal),
IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB;
ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+



Construction and features

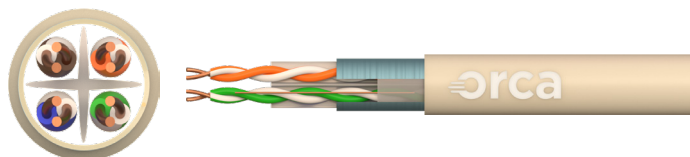
Material	LSZH – CPR Dca
Diameter	Nominal: 7.20 ±0.20 mm
Colour	White (RAL-9016)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0) / ISO/IEC 11801-2:2017(Ed. 1.0);
EN 60332-1-2 (Fire Performance); EN50173-1:2018 / EN 50173-2:2018 EN61034-2 (Smoke Density); IEC61156-5:2012 (Ed.2.1);
EN60754-2 (Halogen Free); EN50288-5-1:2013; EN 50399 -
EN 50575 (Reaction to fire); ANSI/TIA-568.2-D:2018

Electrical features and performance

Operating Temperature: -25/70°C



CODE	DESCRIPTION
212213-12	COPPER CABLE CAT 6 F/UTP LSZH - Dca - White

RELATED PRODUCTS

Patch panel

- 273220-24

Keystone

- 233220-00
- 235220-00

Plug

- 233212-01

Patch cord series

- 223240-XX

Copper cable CAT 6 F/UTP

**24AWG LSZH - B2ca
(s1,d1,a1)**

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002; POE; IEEE 802.3at: POE+

Construction and features

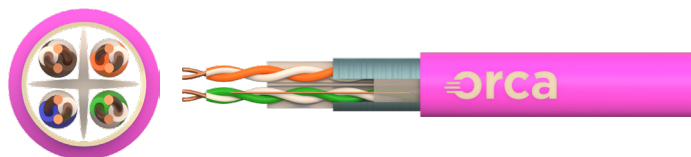
Material	LSZH - CPR B2ca-s1,d1,a1
Diameter	Nominal: 7.6 ±0.40 mm
Colour	Magenta (RAL-4010)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN50173-1:2018, EN 50173-2:2018, IEC61156-5:2012 (Ed.2.1), EN50288-5-1:2013, TIA-568.2-D:2018, EN 60332-1-2 (Fire Performance), EN61034-2 (Smoke Density), EN60754-2 (Halogen Free), EN 50399, EN 50575 (Reaction to fire)

Electrical features and performance

Operating Temperature: -25/70°C



CODE	DESCRIPTION
212213-22	ORCA - COPPER CABLE CAT 6 F/UTP LSZH - B2ca - Magenta

RELATED PRODUCTS

Patch panel

- 273220-24

Keystone

- 233220-00
- 235220-00

Plug

- 233212-01

Patch cord series

- 223240-XX

Copper cable CAT 6 UTP

Flex

Application

Tertiary (Horizontal), specific for patch cord, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+



Construction and features

Material	Flame retardant PVC
Diameter	Nominal: 6.4 mm
Colour	Gray

Standard compliance and approvals

ANSI/TIA-568-C.2 Cat. 6, ISO/IEC 2nd Edition 11801 Class E, CENELEC EN 501773-1, CENELEC EN 50288-6-2, IEC 61156-6 for patch cable, IEC 60332-1-2 Flame Retardancy verification, RoHS compliance for the European Union issued Directive 2002/95/EC, UL/cUL Listed, ETL/3P Certified ANSI/TIA-568-C.2 Category 6 Testing Safety/Performance



CODE	DESCRIPTION
211013-07	ORCA – COPPER CABLE CAT.6 UTP FLEX - Grey

RELATED PRODUCTS

Patch panel

- 273120-24
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00
- 233140-00

Plug

- 233112-01
- 233112-01

Outdoor copper cable CAT 6 U/UTP

Double sheath

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Construction and features

Material	Inner: PVC	Outer: PE – CPR Fca
Diameter	Inner: 5.80 ±0.20 mm	Outer: 7.40 ±0.25 mm
Colour	Inner: Gray (RAL-7044)	Outer: Black

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN 50173-1:2018, EN 50173-2:2018, IEC 61156-5:2012 (Ed.2.1), EN 50288, TIA-568.2-D:2018, CEI UNEL 36762 (C-4 - U₀=400V)

Electrical features and performance

Operating Temperature: PVC+PE: -40/70°C, PVC only: -20/70°C



CODE

DESCRIPTION

211213-04

Orca - Copper Cable CAT 6 U/UTP PVC/PE – Fca - Black

RELATED PRODUCTS

Patch panel

- 273120-24 Pag
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00
- 233140-00

Plug

- 233112-01
- 233412-01

Patch cord series

- 2231X0-XX
- 223142-XX

Outdoor copper cable CAT 6 U/UTP

24 AWG - Single Sheath PE - FCA

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+



Construction and features

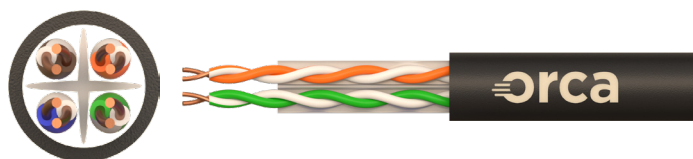
Material	PE – CPR Fca
Diameter	Nominal: 5.60 ±0.20 mm
Colour	Black

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN 50173-1:2018, EN 50173-2:2018, IEC 61156-5:2012 (Ed.2.1), EN 50288-6-1:2013, TIA-568.2-D:2018, CEI UNEL 36762 (C-4 - U₀=400V)

Electrical features and performance

Operating Temperature: -40/70°C



CODE	DESCRIPTION
211213-05	ORCA - COPPER CABLE CAT 6 U/UTP PE – Fca - Black

RELATED PRODUCTS

Patch panel

- 273120-24
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00

Plug

- 233412-01

Patch cord series

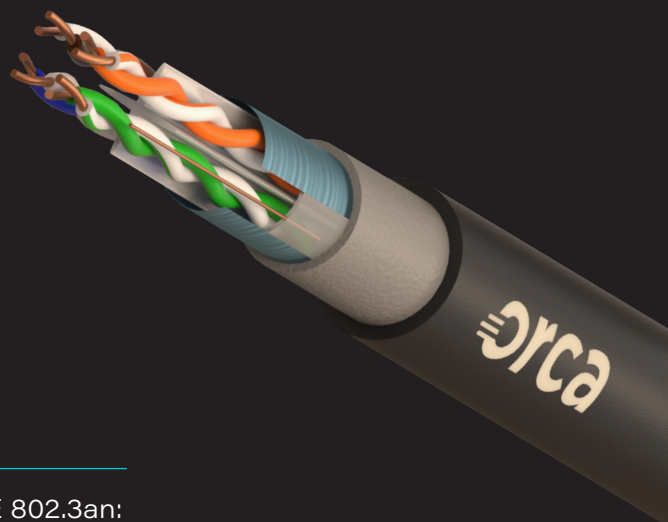
- 2231X0-XX
- 223142-XX

Outdoor copper cable CAT 6 F/UTP

Double sheath

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+



Construction and features

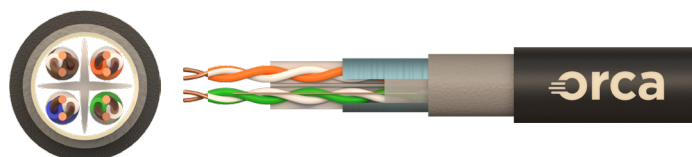
Material	Inner: PVC	Outer: PE – CPR Fca
Diameter	Inner: 7.20 ±0.20 mm	Outer: 8.80 ±0.25 mm
Colour	Inner: Gray (RAL-7044)	Outer: Black

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN 50173-1:2018, EN 50173-2:2018, IEC 61156-5:2012 (Ed.2.1), EN 50288, TIA-568.2-D:2018, CEI UNEL 36762 (C-4 - U₀=400V)

Electrical features and performance

Operating Temperature: -40/70°C



CODE

DESCRIPTION

211313-04

ORCA - COPPER CABLE CAT 6 F/UTP PE – Fca - Black

RELATED PRODUCTS

Patch panel

- 273220-24
- 233220-00

Keystone

- 233120-00
- 233130-00

Patch cord series

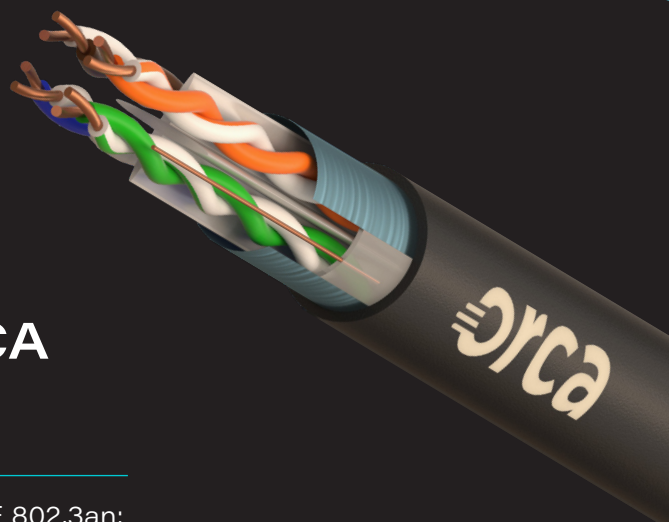
- 223240-XX

Outdoor copper cable CAT 6 F/UTP

24 AWG - Single Sheath PE - FCA

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+



Construction and features

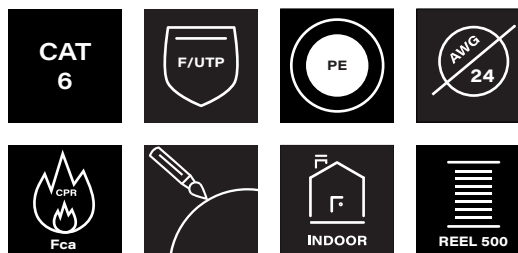
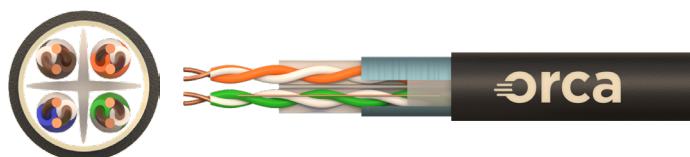
Material	PE – CPR Fca
Diameter	Nominal: 7.20 ±0.20 mm
Colour	Black

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN 50173-1:2018, EN 50173-2:2018, IEC 61156-5:2012 (Ed.2.1), EN 50288-5-1:2013, IEC 60332-1-2:2013, CEI UNEL 36762 (C-4 - U₀=400V)

Electrical features and performance

Operating Temperature: -40/70°C



CODE	DESCRIPTION
211313-00	ORCA - COPPER CABLE CAT 6 F/UTP PE – Fca - Black

RELATED PRODUCTS

Patch panel

- 273220-24
- 233220-00

Keystone

- 233120-00
- 233130-00

Patch cord series

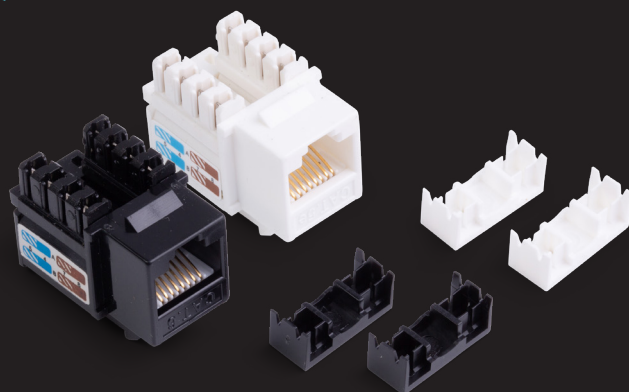
- 223240-XX

Copper Keystone RJ45 CAT 6 UTP

Punch 110

Application

Gigabit Ethernet, 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice.



Description

Category 6 Series jacks exceed TIA/EIA-568-B.2 requirements for Category 6 component performance. The ORCA Category 6 System complies with all of the performance requirements for current and proposed applications. These slim profile jacks are compatible with ORCA faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. Cables may be dressed at either 180° or 90° for added flexibility at various outlet locations. The strain relief may also be used to reduce stress on cable at point of termination.

Material specification

Dimension: 22,8 (H) x 18,2 (W) x 32 (D)

Performance

Dielectrics strength: 750 Vac RMS 60Hz, 1 min
Insulation resistance: 1000 MΩ Min.



CODE	DESCRIPTION
233120-00	ORCA – Keystone Jack RJ45 CAT 6 UTP - White
233130-00	ORCA – Keystone Jack RJ45 CAT 6 UTP - Black

Copper Keystone CAT 6 UTP

Toolless

Application

Gigabit Ethernet, 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice.



Description

Category 6 Series jacks exceed TIA/EIA-568-A and TIA/EIA-568-B requirements for Category 6 component performance. The Category 6 System complies with all of the performance requirements for current and proposed applications. These standard profile jacks are compatible with international faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. Cables may be dressed at 90 degree or added flexibility at various outlet locations. The strain relief may also be used to reduce stress on cable at point of termination.

Material specification

Dimension: 16,1 (H) x 19,0 (W) x 34,3 (D)

Performance

Insertion force: 20 N max. (IEC 60603-7-4)
Dielectrics strength: 1000 V RMS at 60Hz for 1 minute
Insulation resistance: 500 MΩ Min.



CODE

DESCRIPTION

233140-00

ORCA – Insert RJ45 CAT 6 UTP – Toolless - Black

Copper Keystone RJ45 CAT 6 FTP

Punch Dual

Application

The ORCA Category 6 System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet, 10/100/1000 BASETx, 4/16 Mbps Token Ring, 155 Mbps ATM, 100 Mbps TPPMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice



Description

Shielded Modular jacks are unkeyed, 4-pair and meet the Category 6 performance requirements. Modular jacks shall be terminated using 110-style pc board connectors, colour coded for both T568A and T568B wiring.

The 110-style connectors shall be capable of terminating 24-26 AWG solid wire.

Each jack shall be provided with a bendlimiting strain relief.



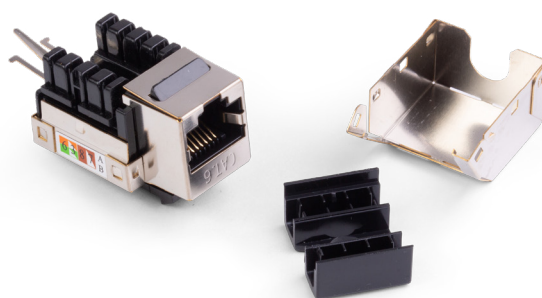
Material specification

Dimension: 20,0 (H) x 21,2,0 (W) x 31,7 (D)

Performance

Dielectrics strength: 750 Vac RMS 60Hz, 1 min

Insulation resistance: 1000 MΩ Min.



CODE

DESCRIPTION

233220-00

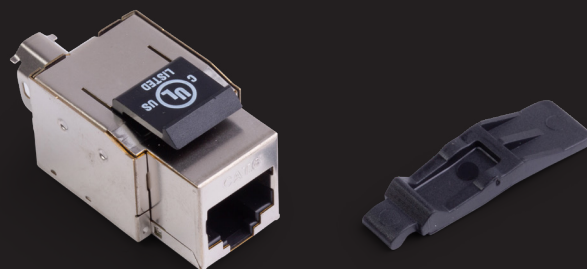
ORCA – Insert RJ45 CAT 6 FTP

Copper Keystone CAT 6 FTP

Toolless

Application

Gigabit Ethernet, 10/100/1000 BASETx, 4/16 Mbps Token Ring, 155 Mbps ATM, 100 Mbps TPPMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice. Universal wiring labels permit termination to either T568A or T568B wiring patterns.



Material specification

Dimension: 19,6 (H) x 19,4 (W) x 31,2 (D)

Performance

Insertion force: 30 N max. (IEC 60603-7-5)

Dielectrics strength: 1000 V RMS at 60Hz for 1 minute

Insulation resistance: 500 MΩ Min.



CODE

DESCRIPTION

235220-00

ORCA – insert RJ45 CAT 6 FTP – Toolless – Metal/Black

Copper Patch Panel CAT 6

Loaded

Application

Category 6 Density Patch Panels provide excellent performance for high speed LANs from 10 Mb to Gigabit Ethernet 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice applications. 1U 19" standrad format is ideal for rack installation.

Description

High quality components and innovative IDC connection techniques with rear utilities colour coded for correct connection of UTP cable, and planar ring cable clips Front of the panel features easy to use slide in labels.

Material specification

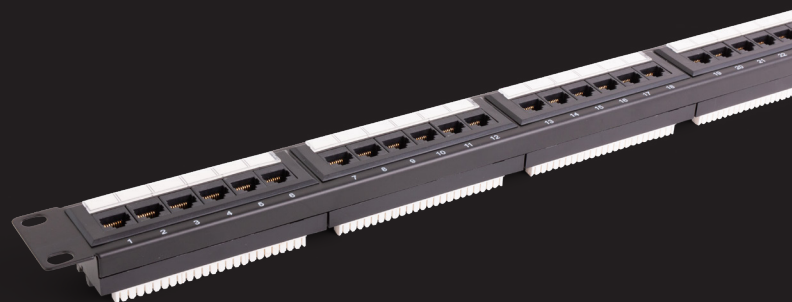
Operation Temperature: -20 to 68 °C

Compliance

Wiring Printing: T568A & T568B wiring Printing on IDC
Numbered and with label holder

Standard complinace and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
273120-24	ORCA – Patch Panel CAT. 6 UTP, 1U, 24P Loaded

RELATED PRODUCTS

Cable

- 212013-52
- 212013-62

Patch cord series

- 2231Z0-YX
- 223142-YX

Tool

- 269000-00

Copper Patch Panel CAT 6 - FTP

Loaded

Application

Category 6 Density Patch Panels provide excellent performance for high speed LANs from 10 Mb to Gigabit Ethernet 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice applications. 1U 19" standard format is ideal for rack installation.



Description

High quality components and innovative IDC connection techniques with rear utilities colour coded for correct connection of FTP cable, grounded rear cable holder system. Front panel with numerical identification.

Material specification

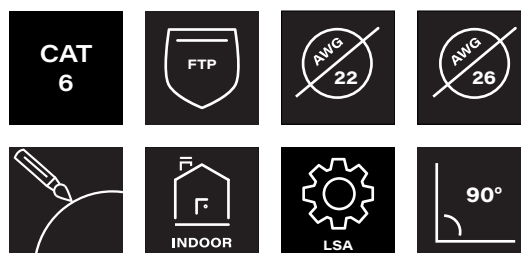
Operation Temperature: -20 to 68 °C

Compliance

Wiring Printing: T568A & T568B wiring Printing on IDC. Numbered

Standard compliance and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
273220-24	ORCA – Patch Panel CAT. 6 FTP, 1U, 24P Loaded

RELATED PRODUCTS

Cable

- 212213-02
- 212213-12
- 212213-22

Patch cord series

- 223240-YX

Tool

- 269000-00

Copper patch cord CAT 6 U/UTP



Application

Horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket PVC
Braid Nom.O.D. 5.9 ±0.20 mm

CAT
6

U/UTP

PVC

AWG
24

INDOOR

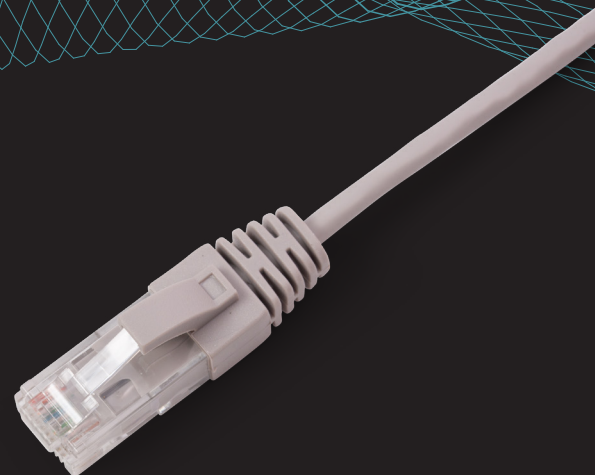
Electrical Features and Performance

Operating Temperature: -10/+60°C



LENGHT (m)	GREY ●	RED ●	YELLOW ●	GREEN ●	BLUE ●	BLACK ○	VIOLET ●
0,5	223140-A0	223170-A0	223180-A0	223190-A0	223160-A0	223110-A0	223150-A0
1	223140-01	223170-01	223180-01	223190-01	223160-01	223110-01	223150-01
1,5	223140-A1	223170-A1	223180-A1	223190-A1	223160-A1	223110-A1	223150-A1
2	223140-02	223170-02	223180-02	223190-02	223160-02	223110-02	223150-02
3	223140-03	223170-03	223180-03	223190-03	223160-03	223110-03	223150-03
5	223140-05	223170-05	223180-05	223190-05	223160-05	223110-05	223150-05
10	223140-10	223170-10	223180-10	223190-10	223160-10	223110-10	223150-10
15	223140-15	223170-15	223180-15	223190-15	223160-15	223110-15	223150-15

Slim copper patch cord CAT 6 U/UTP



Application

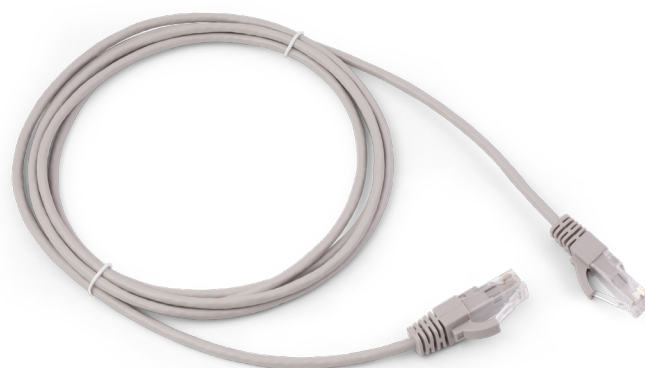
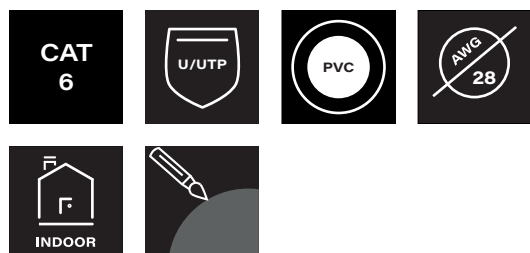
Unshielded horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket PVC
Braid Nom.O.D. 5.9 ±0.20 mm

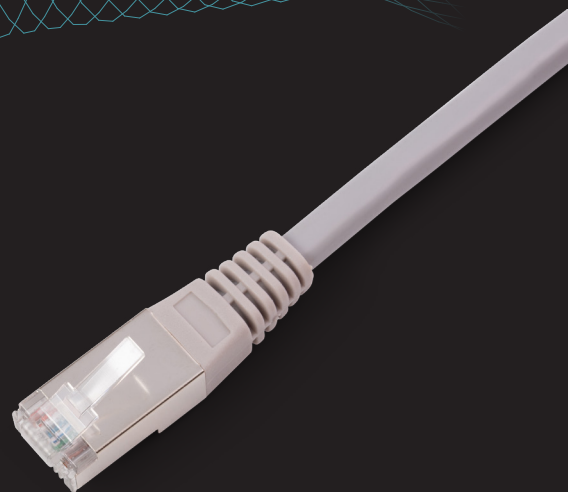
Electrical Features and Performance

Operating Temperature: -10/+60°C



LENGTH (m)	CODE	DESCRIPTION
1	223142-01	ORCA – SLIM Copper Patch Cord Cat.6 UTP – Grey - L.1m
2	223142-02	ORCA – SLIM Copper Patch Cord Cat.6 UTP – Grey - L.2m
3	223142-03	ORCA – SLIM Copper Patch Cord Cat.6 UTP – Grey - L.3m
5	223142-05	ORCA – SLIM Copper Patch Cord Cat.6 UTP – Grey - L.5m
10	223142-10	ORCA – SLIM Copper Patch Cord Cat.6 UTP – Grey - L.10m

Copper patch cord CAT 6 F/UTP



Application

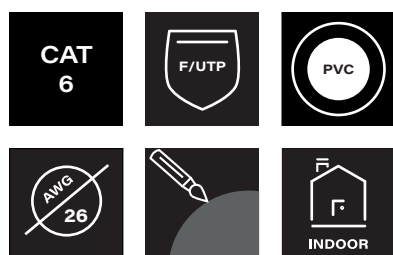
Shielded Horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket PVC
Braid Nom.O.D. 6.0 ±0.20 mm

Electrical Features and Performance

Operating Temperature: -10/+60°C



LUNGHEZZA (m)	CODE	DESCRIPTION
0,5	223240-A0	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.0,5m
1	223240-01	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.1m
1,5	223240-A1	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.1,5m
2	223240-02	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.2m
3	223240-03	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.3m
5	223240-05	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.5m
10	223240-10	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.10m
15	223240-15	ORCA – Copper Patch Cord Cat.6 F/UTP – Grey – L.15m

Copper cable CAT 5E UTP

LSZH 24AWG - Eca

Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Construction and features

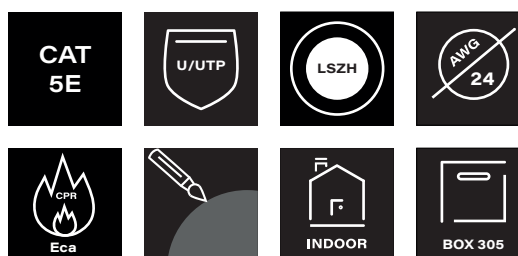
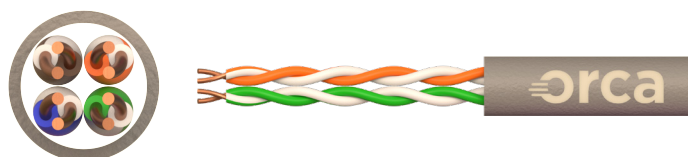
Material	LSZH - CPR Eca
Diameter	Nominal: 5.20 ±0.20 mm
Colour	Gray (RAL-7035)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN 50173-1:2018, EN 50173-2:2018, IEC 61156-5:2012 (Ed.2.1), EN 50288-3-1:2013, ANSI/TIA-568-C.2:2009, EN 60332-1-2 (Fire Performance), EN 61034-2 (Smoke Density), EN 60754-2 (Halogen Free), EN 50575 (Reaction to fire)

Electrical features and performance

Operating Temperature: -20/60°C



CODE	DESCRIPTION
212012-32	ORCA - COPPER CABLE CAT 5E U/UTP LSZH - Eca - Gray

RELATED PRODUCTS

Patch panel

- 273120-24
- 273121-48
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00
- 233140-00

Plug

- 232122-01

Patch cord series

- 2221X0-XX

Copper cable CAT 5E F/UTP

24AWG LSZH - Eca



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal), IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+

Construction and features

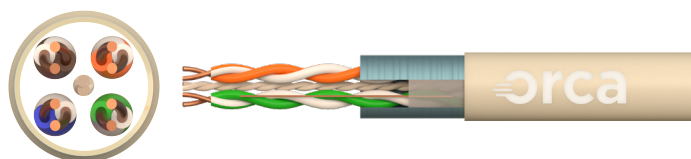
Material	LSZH – CPR Eca
Diameter	Nominal: 6.00 ±0.20 mm
Colour	White (RAL-9016)

Standard compliance and approvals

ISO/IEC 11801-1:2017(Ed. 1.0), ISO/IEC 11801-2:2017(Ed. 1.0), EN 50173-1:2018, EN 50173-2:2018, IEC 61156-5:2012 (Ed.2.1), EN 50288, TIA-568.2-D:2018, EN 60332-1-2 (Fire Performance), EN 61034-2 (Smoke Density), EN 60754-2 (Halogen Free), EN 50575 (Reaction to fire)

Electrical features and performance

Operating Temperature: -20/60°C



CODE

DESCRIPTION

212212-12

ORCA - COPPER CABLE CAT 5e F/UTP LSZH - Eca - White

RELATED PRODUCTS

Patch panel

- 273220-24

Keystone

- 233220-00
- 235220-00

Plug

- 232212-01

Patch cord series

- 222240-XX

Copper cable CAT 5E UTP

Flex

Application

Tertiary (Horizontal), specific for unshielded patch cord, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002; POE; IEEE 802.3at: POE+



Construction and features

Material	Flame retardant PVC
Diameter	Nominal: 5,7 mm
Colour	Gray

Standard compliance and approvals

ANSI/TIA-568-C.2 Cat. 5e, ISO/IEC 2nd Edition 11801 Class D, CENELEC EN 50173-1, IEC 61156-6, CENELEC EN 50288-3-2 for patch cable, IEC 60332-1-2 Flame Retardancy verification, RoHS compliance for the European Union issued Directive 2002/95/EC, UL/cUL Listed, ETL/3P Certified ANSI/TIA-568-C.2 Category 5E Testing Safety/Performance Requirements



CODE	DESCRIPTION
211012-07	ORCA - COPPER CABLE CAT.5E UTP FLEX - GRAY

RELATED PRODUCTS

Patch panel

- 273120-24
- 273121-48
- 570122-24
- 570123-24

Keystone

- 233120-00
- 233130-00
- 233140-00

Plug

- 232112-02

Copper cable CAT 5E F/UTP

Flex

Application

Tertiary (Horizontal), specific for shielded patch cord, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 16 MB; ISDN; TPDDI; ATM, IEEE 802.3af-2002: POE; IEEE 802.3at: POE+



Construction and features

Material	Flame retardant PVC
Diameter	Nominal: 5,6 mm
Colour	Gray

Standard compliance and approvals

ANSI/TIA-568-C.2 Cat. 5e, ISO/IEC 2nd Edition 11801 Class D, IEC 61156-6, Second Edition CENELEC EN 50288-2-2 for patch cable, IEC 60332-1-2 Flame Retardancy verification, RoHS compliance for the European Union issued Directive 2002/95/EC, UL/cUL Listed, ETL/3P Certified ANSI/TIA-568-C.2 Category 5E Testing Performance Requirements



CODE

DESCRIPTION

211212-07

ORCA - COPPER CABLE CAT.5E F/UTP FLEX - GRAY

RELATED PRODUCTS

Patch panel

- 273220-24

Keystone

- 233220-00
- 235220-00

Plug

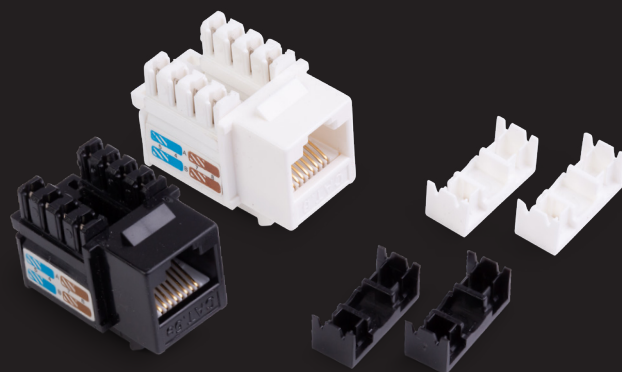
- 232212-02

Copper Keystone RJ45 CAT 5E UTP

Punch 110

Application

Horizontal distribution & Backbone Cabling, 4/16 Mbps Token Ring (IEEE 802.5), 10/100/1000 BASE-T (IEEE 802.3), 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, ADSL, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice.



Description

ORCA® Category 5E Series jacks exceed TIA/EIA-568-A and TIA/EIA-568-B requirements for Category 5E component performance. The Category 5E System complies with all of the performance requirements for current and proposed applications.

Material specification

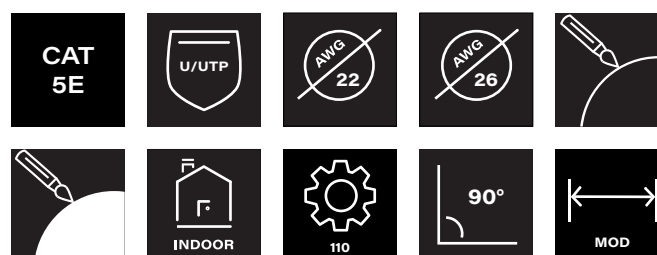
Dimension: 22,8 (H) x 18,2 (W) x 32 (D)

Performance

Dielectrics strength: 750 Vac RMS 60Hz, 1 min
Insulation resistance: 1000 MΩ Min.

Standard complinace and approvals

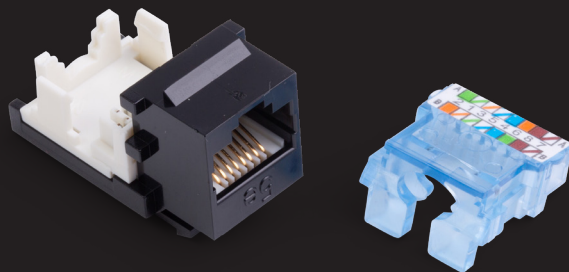
ANSI/TIA-568-C. 2, ISO/IEC 11801: 2002/ Amd. 2: 2010, Meet EN50173, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
232120-00	ORCA – Insert RJ45 CAT 5E UTP White
232130-00	ORCA – Insert RJ45 CAT 5E UTP Black

Copper Keystone RJ45 CAT 5E UTP

Toolless



Application

Horizontal distribution & Backbone Cabling, 4/16 Mbps Token Ring (IEEE 802.5), 10/100/1000 BASE-T (IEEE 802.3), 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, ADSL, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice.

Description

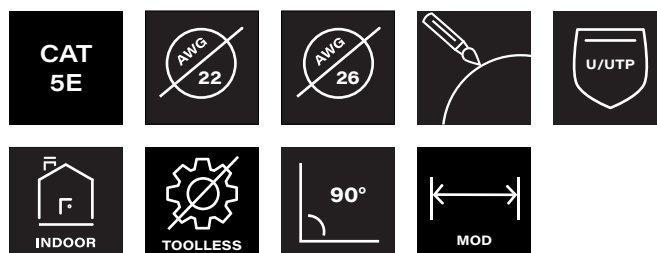
ORCA® Category 5E Series jacks exceed TIA/EIA-568-A and TIA/EIA-568-B requirements for Category 5E component performance. The Category 5E System complies with all of the performance requirements for current and proposed applications. Profile jacks are compatible with international faceplates.

Material specification

Dimension: 22,1 (H) x 33,8 (W) x 1,78 (D)

Standard complinace and approvals

ANSI/TIA-568-C. 2, ISO/IEC 11801: 2002/ Amd. 2: 2010, Meet EN50173, RoHS Directive 2011/65/EU compliant



CODE

DESCRIPTION

232140-00

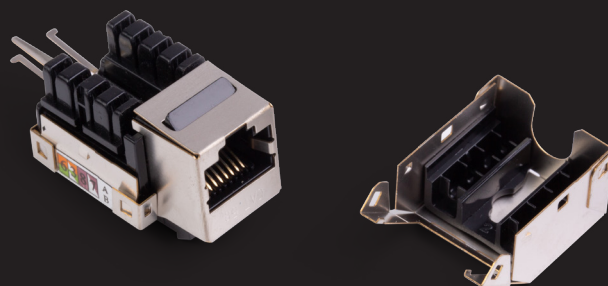
ORCA – Keystone Jack RJ45 CAT 5E UTP Toolless - Black

Copper Keystone RJ45 CAT 5E FTP

Punch 110

Application

Gigabit Ethernet, 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analogue (broadband, baseband) and digital video and analogue and digital (VoIP) voice.



Description

ORCA® Category 5E Series jacks exceed TIA/EIA-568-B requirements for Category 5E component performance. The Category 5E System complies with all of the performance requirements for current and proposed applications. These slim profile jacks are compatible with European faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. Cables may be dressed at 90 degree or added flexibility at various outlet locations. The strain relief may also be used to reduce stress on cable at point of termination. All components and the final product are design, 2 layered and tested to conform to the requirements standard.

Material specification

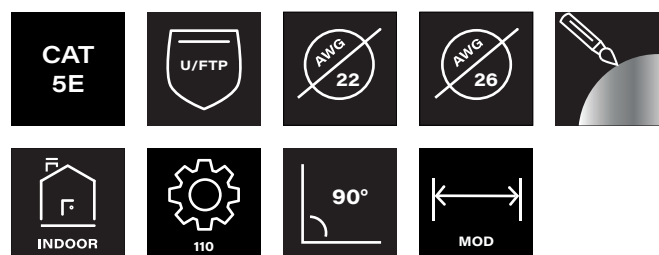
Dimension: 22,1 (H) x 33,8 (W) x 1,78 (D)

Performance

Dielectrics strength: 750 Vac RMS 60Hz, 1 min
Insulation resistance: 1000 MΩ Min.

Standard complinace and approvals

TIA/EIA-568-A and TIA/EIA-568-B, TIA/EIA TSB-40, ISO/IEC Generic cabling standard 11801, CENELEC Generic Cabling Standard EN50173, mates with modular plug conforming to FCC part 68, subpart F



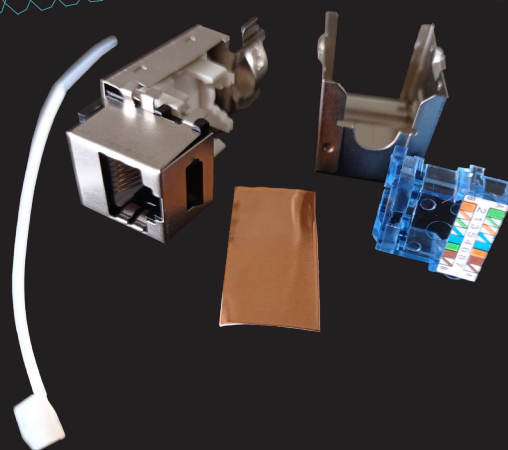
CODE	DESCRIPTION
232220-00	ORCA – Keystone Jack RJ45 CAT 5E FTP - Modular

Copper Keystone RJ45 CAT 5E FTP

Toolless

Application

Gigabit Ethernet, 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analogue (broadband, baseband) and digital video and analogue and digital (VoIP) voice.



Description

ORCA® Category 5E Series jacks exceed TIA/EIA-568-B requirements for Category 5E component performance. The Category 5E System complies with all of the performance requirements for current and proposed applications. These slim profile jacks are compatible with European faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. Cables may be dressed at 90 degree or added flexibility at various outlet locations. The strain relief may also be used to reduce stress on cable at point of termination. Shielded Toolless Modular jacks are unkeyed, 4-pair and meet the Category 5E performance requirements. Modular Toolless jacks shall be terminated using 110-style pc board connectors, colour coded for both T568A and T568B wiring. The 110-style connectors shall be capable of terminating 24-26 AWG solid wire. Each jack shall be provided with a bend-limiting strain relief. All components and the final product are design, 2 layered and tested to conform the requirements standard

Material specification

Dimension: 22,1 (H) x 33,8 (W) x 17,8 (D)

Standard complinace and approvals

TIA/EIA-568-A and TIA/EIA-568-B, TIA/EIA TSB-40, ISO/IEC Generic cabling standard 11801, CENELEC Generic Cabling Standard EN50173, mates with modular plug conforming to FCC part 68, subpart F



CODE

DESCRIPTION

232230-00

ORCA – MODULAR KEYSTONE JACK CAT.5E FTP - Toolless

Copper Patch Panel

CAT 5E - UTP

Loaded



Application

Category 5 Density Patch Panels provide excellent performance for high speed LANs from 10 Mb to Gigabit Ethernet applications. 1U 19" standard format is suitable for rack installation.

Description

High quality components and innovative IDC connection techniques with rear utilities colour coded for correct connection of UTP cable, and planar ring cable clips. Front of the panel features easy to use slide in labels.

Material specification

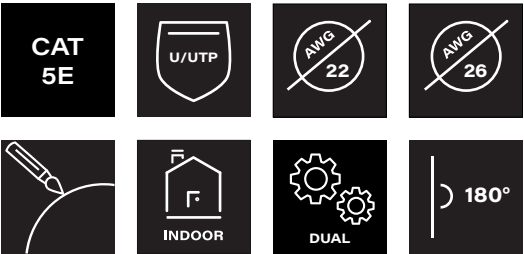
Operation Temperature: -20 to 68 °C

Compliance

Wiring Printing: T568A & T568B wiring Printing on IDC
Numbered and with label holder

Standard complinace and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
272120-24	ORCA – Patch Panel CAT. 5E UTP, 1U, 24P Loaded
272120-48	ORCA – Patch Panel CAT. 5E UTP, 2U, 48P Loaded

RELATED PRODUCTS

Cable	Patch cord series	Tool
• 21012-32	• 2221Z0-YX	• 269000-00
• 21012-32	• 2221Z0-YX	

Copper Patch Panel CAT 5E - FTP

Loaded



Application

Category 5 Density Patch Panels provide excellent performance for high speed LANs from 10 Mb to Gigabit Ethernet applications. 1U 19" standard format is suitable for rack installation.

Description

High quality components and innovative IDC connection techniques with rear utilities colour coded for correct connection of FTP cable, grounded rear cable holder system. Front panel with numerical identification.

Material specification

Operation Temperature: -20 to 68 °C

Compliance

Wiring Printing: T568A & T568B wiring Printing on IDC. Numbered

Standard compliance and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
272220-24	ORCA – Patch Panel CAT. 5E FTP, 1U, 24P Loaded

RELATED PRODUCTS

Cable

- 21012-12

Patch cord series

- 222240-YX

Tool

- 269000-00

Copper patch cord CAT 5E UTP



Application

Horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket	PVC
Braid	Nom.O.D. 5.4 ±0.20 mm

CAT
6A

U/UTP

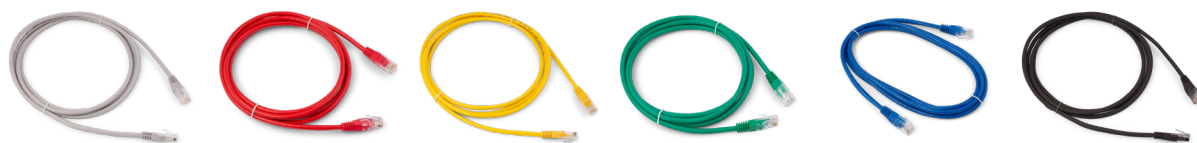
PVC

AWG
24

INDOOR

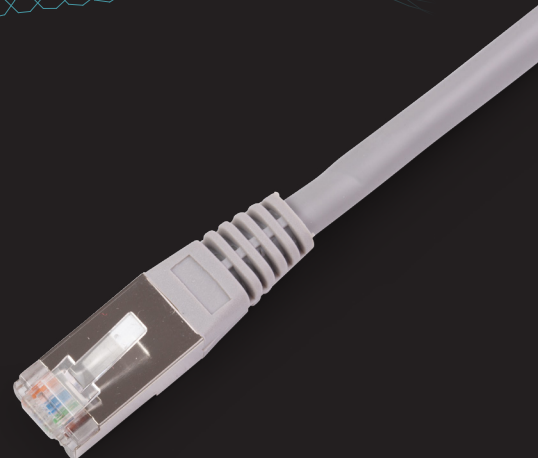
Electrical Features and Performance

Operating Temperature: -10/+60°C



LENGTH (M)	GREY ●	RED ●	YELLOW ●	GREEN ●	BLUE ●	BLACK ○
0,5	222140-A0	222170-A0	222180-A0	222190-A0	222160-A0	222110-A0
1	222140-01	222170-01	222180-01	222190-01	222160-01	222110-01
1,5	222140-A1	222170-A1	222180-A1	222190-A1	222160-A1	222110-A1
2	222140-02	222170-02	222180-02	222190-02	222160-02	222110-02
3	222140-03	222170-03	222180-03	222190-03	222160-03	222110-03
5	222140-05	222170-05	222180-05	222190-05	222160-05	222110-05
10	222140-10	222170-10	222180-10	222190-10	222160-10	222110-10
15	222140-15	222170-15	222180-15	222190-15	222160-15	222110-15

Copper patch cord CAT 5E F/UTP



Application

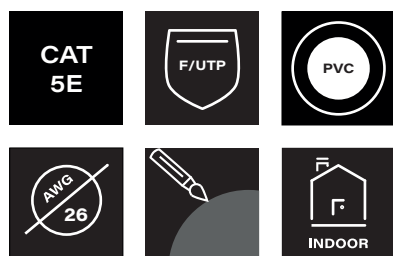
Horizontal distribution and Backbone Cabling, IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T, IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; ROHS Compliant

Material Specification

Jacket	PVC
Braid	Nom.O.D. 5.6 ±0.20 mm

Electrical Features and Performance

Operating Temperature: -10/+60°C



LENGHT (m)	CODE	DESCRIPTION
0,5	222110-A0	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L. 0,5m
1	222110-01	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L.1m
2	222110-02	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L.2m
3	222110-03	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L.3m
5	222110-05	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L.5m
10	222110-10	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L.10m
15	222110-15	ORCA - Copper Patch Cord CAT 5E F/UTP – Grey - L.15m

Indoor copper cable

Telephone application Transposition Cables



Application

"Last mile" connection cable for telephone application - indoor use

Construction and features

Copper twisted pair cable, for telephone application, with nominal 0.6 mm diameter tinned copper conductors, PVC insulated, with reduced fire spread and corrosivity in case of combustion. Various colours.

Standard compliance and approvals

EN 50575:2014+A1:2016



CODE	DESCRIPTION
312009-00	Telephon Transposition Cables 0,6mm W/Green (moq. 250m)
312008-00	Telephon Transposition Cables 0,6mm W/Yellow (moq. 250m)
312007-00	Telephon Transposition Cables 0,6mm W/Red (moq. 250m)
312006-00	Telephon Transposition Cables 0,6mm W/Blu (moq. 250m)

Copper cable for telephone application

Drop wire "Bronzino" and "Abbonato" versions

Application

"Last mile" connection cable for telephone application, outdoor or indoor use

Bronzino construction and features

Round subscriber cable with two cadmium-free Bronze conductors in diameter 1.0 mm nominal, with PolyEthylene insulation and PVC sheath.

Diameter Nominal: 6,2mm
Sheath thickness: 1,1mm



Abbonato construction and features

Round subscriber cable with two copper conductors with a nominal diameter of 0.6 mm, with Polyethylene insulation and Polyvinyl chloride sheath

Diameter Nominal: 4,5mm
Sheath thickness: 0,8mm

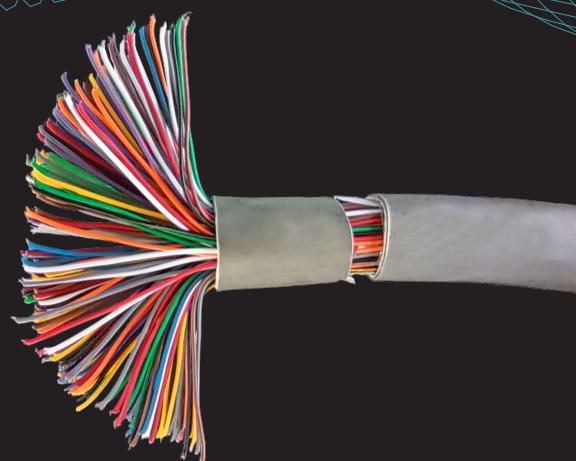
CODE	DESCRIPTION
312010-01	Telephone Copper Cable TE 1 pair x 1 "Bronzino" (mat. 300m)
312010-00	Telephone Copper Cable TE 1 pair x 0,6 "Abbonato Telecom" (mat. 250m)

Multipairs Indoor Copper Cable

Telephone application - Eca

Application

The Orca Phone Cable is used for internal connection of telephone systems and other communications equipment. Insulated and sheathed in LSZH, these cables offer an extremely cost effective general signal cable for fixed installation



Construction and features

Solid tinned copper conductor Class 1 (IEC 60228, DIN VDE 0295, EN 60228)
PVC or LSZH Insulation (TS IEC 60189-2)
Pair with group twisting and polypropylene identification tape
Wrapping by non-hygroscopic polyester tape PVC or LSZH UV resistant outer sheath
Colour grey RAL 7035



Standard compliance and approvals

Class1 IEC 60228, DIN VDE 0295, EN60228

CODE	DESCRIPTION
312010-02	ORCA - Indoor Telephone Copper Cable TR 2 pairs + ground - CPR Class Eca (mat. 250m)
312010-03	ORCA - Indoor Telephone Copper Cable TR 3 pairs - CPR Class Eca (mat. 250m)
312010-06	ORCA - Indoor Telephone Copper Cable TR 6 pairs - CPR Class Eca (mat. 250m)
312010-11	ORCA - Indoor Telephone Copper Cable TR 11 pairs - CPR Class Eca
312010-16	ORCA - Indoor Telephone Copper Cable TR 16 pairs - CPR Class Eca
312010-21	ORCA - Indoor Telephone Copper Cable TR 21 pairs - CPR Class Eca
312010-26	ORCA - Indoor Telephone Copper Cable TR 26 pairs - CPR Class Eca
312010-31	ORCA - Indoor Telephone Copper Cable TR 31 pairs - CPR Class Eca
312010-50	ORCA - Indoor Telephone Copper Cable TR 51 pairs - CPR Class Eca
312010-E1	ORCA - Indoor Telephone Copper Cable TR 101 pairs - CPR Class Eca

Multipairs Outdoor Copper Cable

Telephone application - Fca

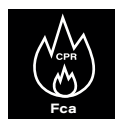
Application

The Orca Phone Cable is used for external connection of telephone systems and other communications equipment. ORCA cables primarily designed for the interconnection of telephone equipment. In addition these cables may be used for interconnection of other communication and control equipment or low level signalling applications.



Construction and features

Solid bare copper conductor, diameter 0,6 mm
Polyethylene Insulation
Pair with group twisting
Aluminium tape with 0.6 mm tinned copper drain wire
PE (Polyethylene) outer sheath

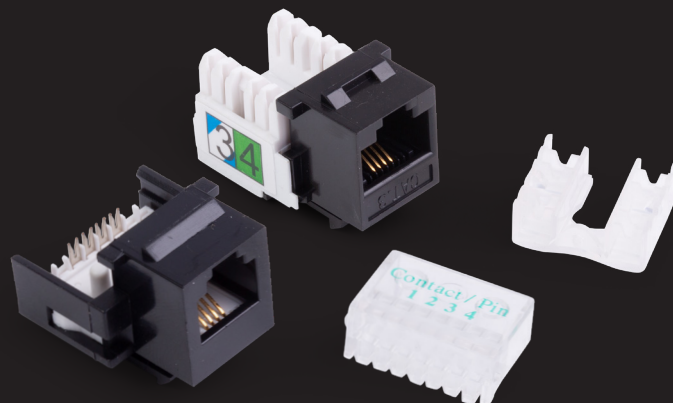


Standard complinace and approvals

Class1 IEC 60228, DIN VDE 0295, EN60228

CODE	DESCRIPTION
312020-10	ORCA - Outdoor Telephone Copper Cable TEGHE 10 pairs shielded PE sheath
312020-20	ORCA - Outdoor Telephone Copper Cable TEGHE 20 pairs shielded PE sheath
312020-30	ORCA - Outdoor Telephone Copper Cable TEGHE 30 pairs shielded PE sheath
312020-50	ORCA - Outdoor Telephone Copper Cable TEGHE 50 pairs shielded PE sheath
312020-E0	ORCA - Outdoor Telephone Copper Cable TEGHE 100 pairs shielded PE sheath

Copper Keystone Jack CAT 3



Application

ORCA® Keystone for telephonic application

Material specification

Dimension: 16,30 (H) x 18,7 (W) x 30,8 (D)

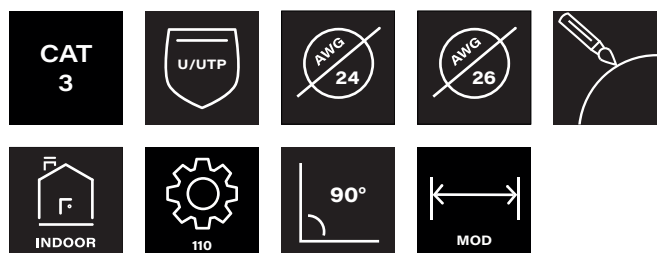
Performance

Insertion force: $\geq 5\text{kg}$

Insulation resistance: $\geq 500\text{ M}\Omega$

Standard complinace and approvals

ANSI/TIA-568-C. 2, ISO/IEC 11801: 2002/ Amd. 2: 2010, Meet
EN50173, RoHS Directive 2011/65/EU compliant

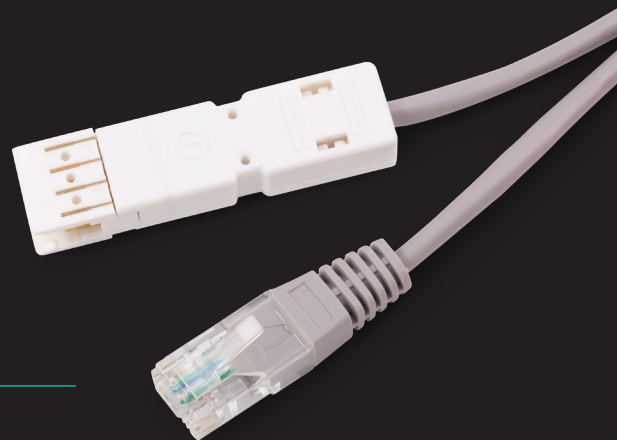


CODE	DESCRIPTION
231130-00	ORCA - Keystone RJ45 Cat. 3 UTP - Black
231131-00	ORCA - Inserto RJ11 Cat. 3 UTP (toolless) - Black

Copper patch cord XC - 110-110 and 110-RJ45

Application

Analog and PSTN telephonic application horizontal distribution and Backbone Cabling, 10Base-T; 100Base-TX; IEEE 802.5 4/16 MB; ISDN; ADSL; 100Mbps TP-PMD; 155 Mbps ATM; Analog and PSTN telephonic application



Material Specification

Jacket PVC

Electrical Features and Performance

Operating Temperature: -10/+60°C



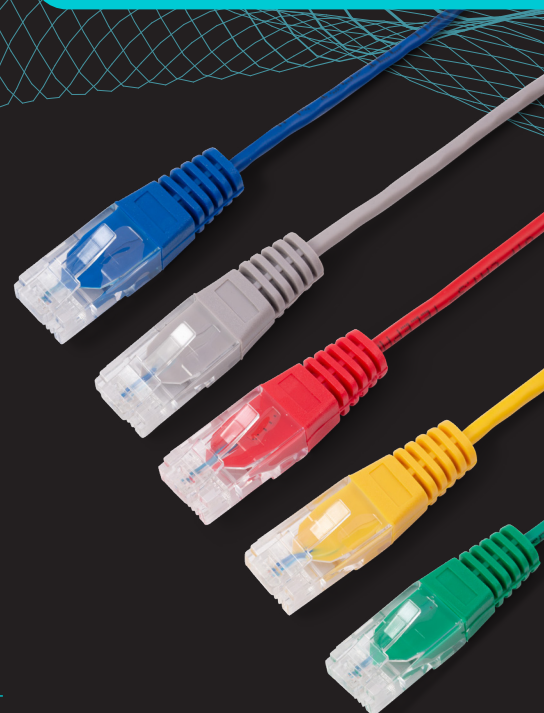
LENGHT (m)	XC UTP 110/110 1CP	XC UTP 110/RJ45 1CP	XC UTP 110/RJ45 2CP	UTP 110/110 4CP CAT 5E	UTP 110/110 4CP CAT 5E
1	222105-01	222101-01	222102-01	223340-01	222104-01
2	222105-02	222101-02	222102-02	223340-02	222104-02
3	222105-03	222101-03	222102-03	223340-03	222104-03

Copper patch cord CAT 3

1 CP, 2 CP

Application

Analog and PSTN telephonic application



Material Specification

Jacket	PVC
Braid	Nom.O.D. 3.5 ±0.20 mm

CAT
3

U/UTP

PVC

AWG
24

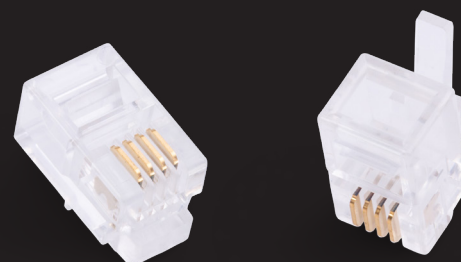
INDOOR

Electrical Features and Performance

Operating Temperature: -10/+60°C

	LENGHT (m)	GREY ●	BLUE ●	RED ●	YELLOW ●	GREEN ●
1 CP	0,5	226104-A0	226106-A0	226107-A0	226108-A0	226109-A0
	1	226104-01	226106-01	226107-01	226108-01	226109-01
	1,5	226104-A1	226106-A1	226107-A1	226108-A1	226109-A1
	2	226104-02	226106-02	226107-02	226108-02	226109-02
	3	226104-03	226106-03	226107-03	226108-03	226109-03
	5	226104-05	226106-05	226107-05	226108-05	226109-05
2 CP	0,5	226204-A0	226206-A0	226207-A0	226208-A0	226209-A0
	1	226204-01	226206-01	226207-01	226208-01	226209-01
	1,5	226204-A1	226206-A1	226207-A1	226208-A1	226209-A1
	2	226204-02	226206-02	226207-02	226208-02	226209-02
	3	226204-03	226206-03	226207-03	226208-03	226209-03
	5	226204-05	226206-05	226207-05	226208-05	226209-05

Modular Plugs CAT 3



Application

All the ORCA® modular plugs are designated and manufactured with an ISO9001 system. A complete line of the modular plugs for any telecommunications application. Available modular plugs for solid and stranded copper conductor.

General features

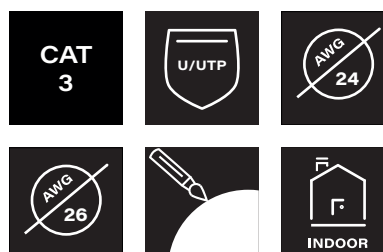
Available Shielded and Unshielded; vailable Cat.3, Cat 5E and Cat 6; Backwards compatible; Field terminable capability; Ultra slim design for high density environments; Designed for ease of termination and assembly; Acceptable stranded and solid cable FTP and UTP; Telephonic version are suitable for 24-26 AWG cable; LAN version are suitable for 23-26 AWG cable

Standard complinace and approvals

ROHS Compliant

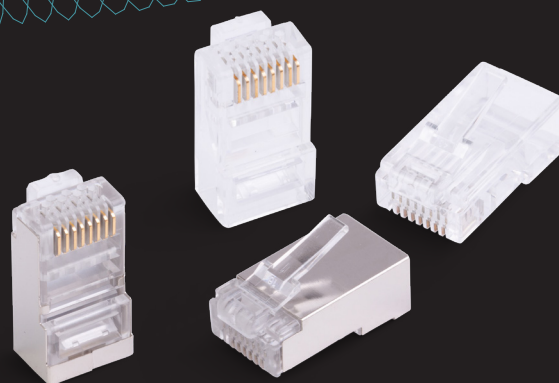
Performance

Strain Relife: 20 pound min.
Dielectrics stregnth: 1000Vac @60sec
Insulation resistance: $\geq 100\text{M}\Omega$



CODE	DESCRIPTION
230110-00	ORCA - Plug 4 position UTP stranded cable
230110-01	ORCA - Plug 4 position UTP for solid installation cable
230113-00	ORCA - Plug 6/4 position UTP stranded cable
230111-00	ORCA - Plug 6 position UTP stranded cable

Modular Plugs CAT 5E, 6, 6A



Application

All the ORCA® modular plugs are designated and manufactured with an ISO9001 system. A complete line of the modular plugs for any telecommunications application. Available modular plugs for solid and stranded copper conductor.

General features

Available Shielded and Unshielded; available Cat.3, Cat 5E and Cat 6; Backwards compatible; Field terminable capability; Ultra slim design for high density environments; Designed for ease of termination and assembly; Acceptable stranded and solid cable FTP and UTP; Telephonic version are suitable for 24-26 AWG cable; LAN version are suitable for 23-26 AWG cable

Standard complinace and approvals

ROHS Compliant

Performance

Strain Relife: 20 pound min.
Dielectrics strength: 1000Vac @60sec
Insulation resistance: $\geq 500M\Omega$

CODE	DESCRIPTION
232112-02	ORCA - Plug 8 position UTP for Cat5E stranded cable
232122-01	ORCA - Plug 8 position UTP Cat5E solid installation cable
232212-02	ORCA - Plug 8 position FTP for Cat5E stranded cable
232212-01	ORCA - Plug 8 position FTP Cat5E solid installation cable
233112-00	ORCA - Plug 8 position with pre-insertion UTP, Cat6 stranded cable
233112-01	ORCA - Plug 8 position UTP for Cat.6 solid installation cable
233112-02	ORCA - Plug 8 position UTP for Cat.6 stranded cable
233212-01	ORCA - Plug 8 position FTP for Cat.6 solid installation cable
233121-01	ORCA - Plug 8 position FTP for Cat.6 stranded cable

Boot for Modular Plugs

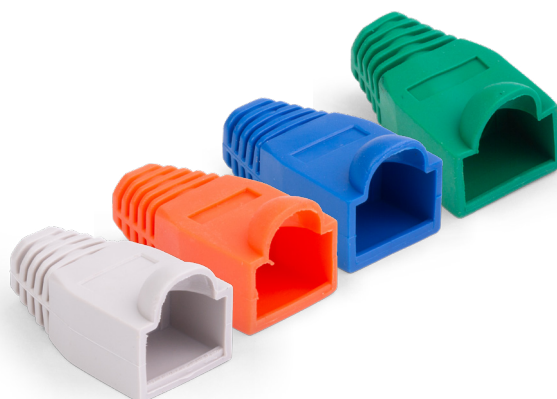
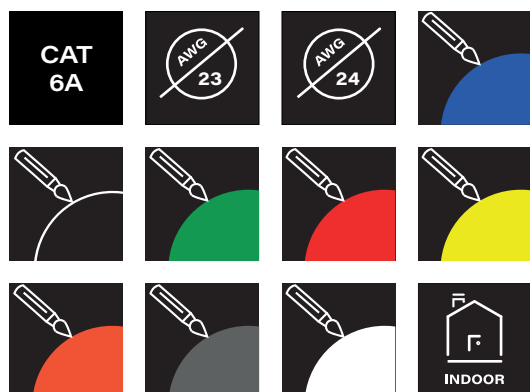


Application

All the ORCA® boot plug covers are designated and manufactured with an ISO9001 system. A complete line of the modular plugs for any telecommunications application. Most modular plugs are in stock for immediately ship, special and bulk packages are available and we make quickly on request.

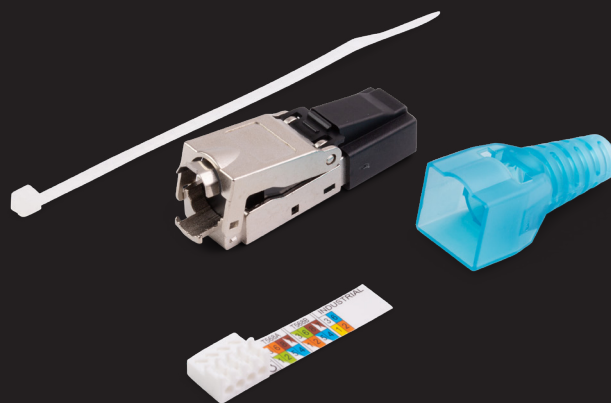
General features

Available for Shielded and Unshielded plugs; Available Cat.3 (8 pins), Cat 5E and Cat 6; Suitable for RJ45 modular plug



CODE	COLOUR	DESCRIPTION
252000-06	●	ORCA - Boot for modular plug – blue colour
252000-02	●	ORCA - Boot for modular plug – black colour
252000-09	●	ORCA - Boot for modular plug – green colour
252000-07	●	ORCA - Boot for modular plug – red colour
252000-04	●	ORCA - Boot for modular plug – grey colour
252000-05	●	ORCA - Boot for modular plug – orange colour
252000-08	●	ORCA - Boot for modular plug – yellow colour
252000-03	○	ORCA - Boot for modular plug – white colour

Modular Plugs CAT 6A



Application

All the ORCA® modular plugs are designated and manufactured with an ISO9001 system. A complete line of the modular plugs for any telecommunications application. Available modular plugs for solid and stranded copper conductor.

General features

Available Shielded and Unshielded; vailable Cat 6A; Backwards compatible; Field terminable capability; Compact design for high density environments; Designed for ease of termination and assembly; Acceptable stranded and solid cable FTP and UTP; Toolless

Standard complinace and approvals

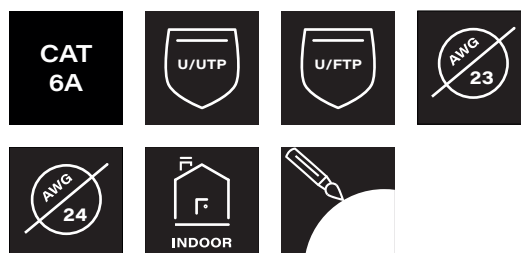
ROHS Compliant

Performance

Strain Relife: $\geq 5\text{kg}$

Dielectrics strength: DC 1000 V, AC 750 V, no breakdown within 1 minute

Insulation resistance: $\geq 500\text{M}\Omega$ @ 100Vdc



CODE	DESCRIPTION
233412-01	ORCA - Plug - 8 position UTP for Cat6A installation cable
233312-01	ORCA - Plug - 8 position FTP for Cat6A installation cable

Inline Coupler Keystone and Junction box



Application

Practical accessory for extending mains cables already equipped with terminal plug or laid in the field.

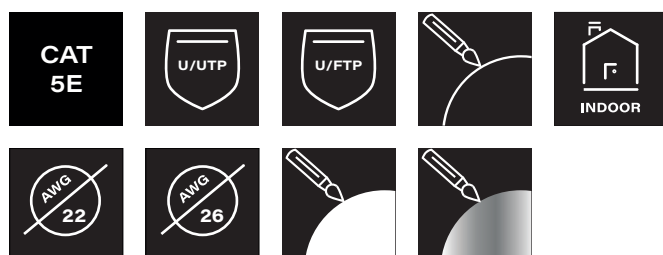
Description

RJ45 female / female with standard keystone socket, suitable for fixing on patch panel or adpater.

Box equipped with PCB with standard 110 IDC system and fixing holes. Cable tightening with cable ties.

Standard complinace and approvals

ANSI/TIA-568-C. 2; ISO/IEC 11801: 2002/ Amd. 2: 2010; Meet EN50173; RoHS Directive 2011/65/EU compliant



CODE	DESCRIPTION
291000-07	ORCA – INLINE CUPLER KEYSTONE F/F RJ45 CAT. 5E UTP
291000-12	ORCA – INLINE CUPLER KEYSTONE F/F RJ45 CAT. 5E FTP
291000-02	Inline Cable Junction Box CAT. 5E UTP
291000-03	Inline Cable Junction Box BOX CAT. 5E FTP
291000-09	Inline Cable Junction Box BOX CAT. 6 UTP
291000-16	Inline Cable Junction Box BOX CAT. 6 FTP

Impact tools



Application

ORCA® impact tool offers cuts, strips and crimps all kinds of modular plug without changing modular die set. Non-slip with ribbed edge handle. For RJ45 and RJ11 modular plugs terminated

General features

Non-slip rubber grips on handle; adjustable Hi/Lo Impact setting; includes a small hook to remove any existing wires from a socket; easy to hold; simple to use; small and compact easily stored and transported; cuts and strips multiple cable types; made from high quality steel and plastic; integrated spring loaded bladed cuts of excess automatically; small blade to cut and strip wires to a desired length; main tool for pushing wires fully into tight spaces; universal scissors cut a variety of cable types to 26AWG and even Type 1 foam-insulated conductors; suitable for connecting cables, modules and distribution frames; the mouth of the press-pliers is made of magnetic steel, which is hard and durable; multi-conductor round cable bundles with a maximum diameter of 0.5" (12.7 mm); multi-purpose cutter and stripper for telephone and network installations; works with Cat3, Cat5, Cat5e, Cat6 shielded and non-shielded cable; 3 way crimper for 8P8C, 6P6C, 4P4C, RJ 45, 11 & 12 connectors; designed Wire Hook remove exterminated conductors



CODE	DESCRIPTION
260000-00	ORCA - Impact tool for telephone connection Krone type
269000-00	ORCA - Impact tool with interchangeable blade LSA/110 type
264000-00	ORCA - Impact Tool multipair version - 5 cp

Professional Crimp Tool

For 4, 6 and 8 ports



Application

All-in-one telephone (4 and 6 position) or LAN (8 position) RJ plug crimping tool. Embedded flat cable cutter and stripper.

Description

The ORCA professional modular plug crimping tool is designed to push the modular plug blades into the modular plug body perfectly straight on. Most modular plug crimping tools push the blade at a slight angle, which means that it takes more effort to crimp the modular plug. It may not crimp low quality RJ-45 modular plugs well. The ORCA professional modular plug crimping tool allows the networking professional to adjust the latch area for DEC style modular plugs. The ORCA professional modular plug also has a built-in cutter and cable stripper. The ORCA professional modular plug crimping tool has a racket style crimping tool. The professional modular plug crimping tool has spring loaded handles to keep the handles open for easier operation. ORCA Professional modular plug crimping tool crimps the modular plug correctly the first time and every time. This modular plug crimping tool is designed for the Cabling Professional who uses a modular plug crimping tool throughout the day.

General features

For crimping type of modular plug: 8P8C/RJ45, 6P6C/RJ12, 4P4C/RJ11, for stripping type: 6mm and 12mm; manufactured to the Highest Quality Available; meets the standard of excellence, Latest Technical Development

CODE	DESCRIPTION
261000-00	ORCA - Professional pincer for 4, 6 and 8/Dec port-plug

Stripping Tool



Application

Sharp, compact and lightweight ORCA stripping tools. they cut, strippers to the correct diameter, leaving the cable ready for use.

General features

Black-oxide finish with plastic-dipped handles; Yellow Handle Color; Strips and Cuts 22-10 AWG (0,65- 2.6mm); A handy, light, compact tool for stripping insulation; Adjustable slide stop with set screw for repeat stripping work

CODE	DESCRIPTION
268000-00	ORCA - Phone cable stripper Miller 103-S, 22-10 AWG (0,65-2.6mm)

Copper tester

RJ45 - FTP and UTP



Application

ORCA® LED tester is useful for RJ45 patch cords, can test meanwhile can judge wrong connection, short circuit and open circuit.

Description

Automatically scan mode, rapidly testing, the streamline shape is in accordance with the design of somatology. Durable design, working well even in construction location.

Super handy device ensures your good mood. Cable Tester for RJ11, RJ45, 10/100 Base-T and telephone cable etc Automatic efficient scan for the miss wiring, disorder cable, open and short circuit Grounding test available Remotely test cable up to 305m in length (remote kit included).9 LEDs to indicate which wire whether open or not on both remote and master unit Powered by DC 9V reduplicated battery (not included) Protective power switch for low power consumption. High quality soft leather case provides more secure protection.

General features

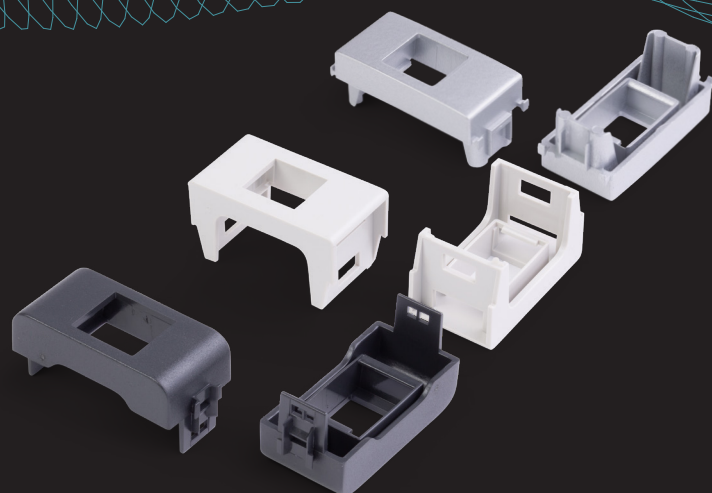
RJ11, RJ12, RJ14, RJ45 plug ready; up to 305m in length; test miss wiring, disorder cable, open and short circuit Grounding; 9 LEDs indicator system; remote and master unit Powered by DC 9V battery



CODE	DESCRIPTION
265000-00	ORCA – Analogic LED tester for patch cords RJ45 - FTP and UTP
265500-00	ORCA - Analogic LED tester for copper cable RJ-45 UTP & FTP
266000-00	ORCA - Digital Network Tester LCD for RJ-45 UTP & FTP

Copper accessories

Keystone faceplate and electrical line adapters



Application

Adapters to accommodate the keystone copper terminations in the user's field sockets.

Description

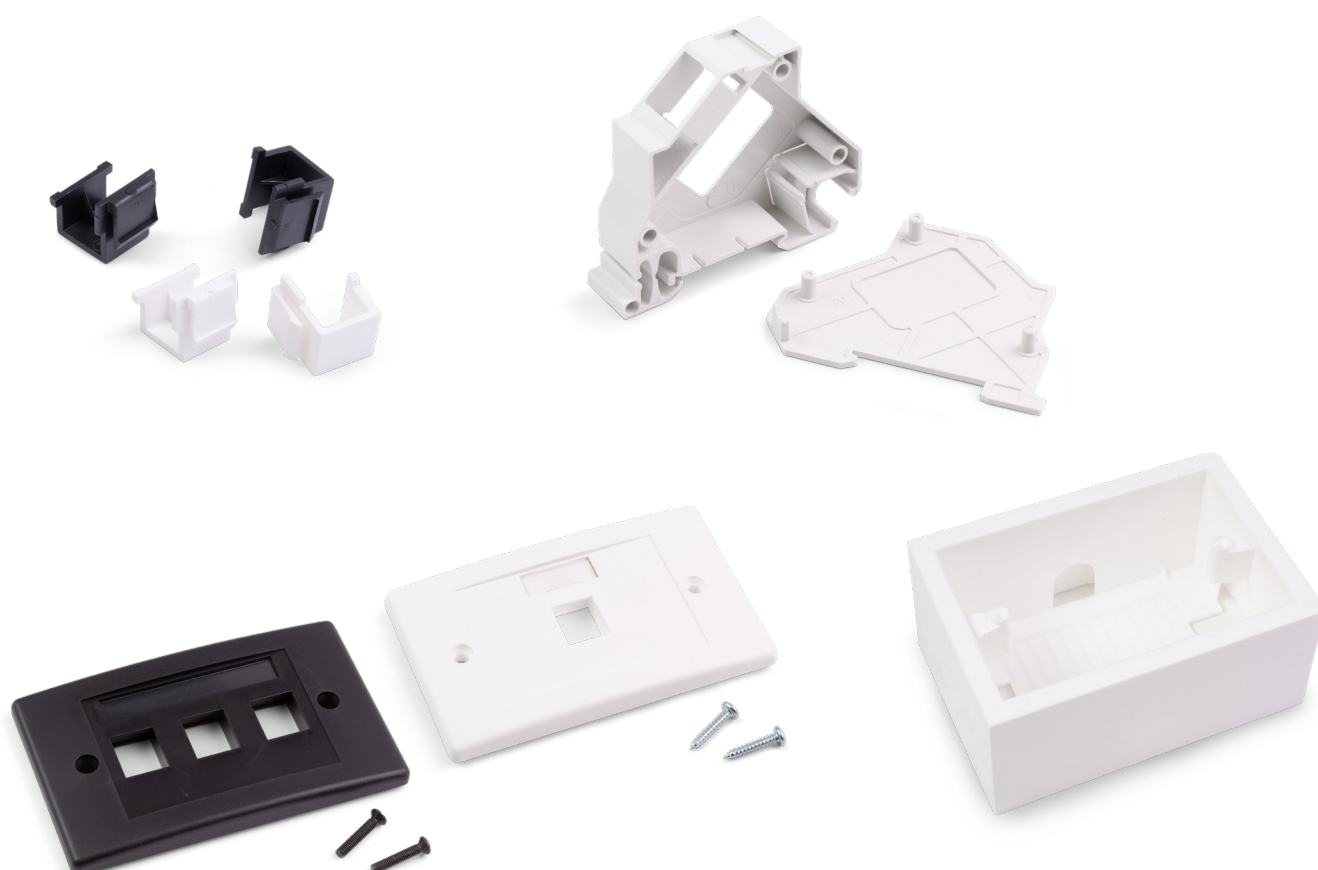
ORCA® faceplate and wall box 503 standard provides optimal solution to telecom system wiring. Easier access to data labels makes for faster installations. Long-term reliability, superior quality product, it is available in white and black. A lot of keystone adapters for domestic series of the most popular brands completes the ORCA® 's accessories offer, also included industrial DIN Rail



CODE	COLOUR	DESCRIPTION
250001-02	White	ORCA - Faceplate white - 1 position universal
250002-02	White	ORCA - Faceplate white - 2 position universal
250003-02	White	ORCA - Faceplate white - 3 position universal
250004-02	White	ORCA - Faceplate white - 4 position
250000-02	White	ORCA - Cover hole for ORCA - Faceplate white - universal
250001-01	Black	ORCA - Faceplate black - 1 position universal
250002-01	Black	ORCA - Faceplate black - 2 position universal
250003-01	Black	ORCA - Faceplate black - 3 position universal
250000-01	Black	ORCA - Cover hole for ORCA - Faceplate black - universal
251005-01	White	ORCA - Wall box faceplate (503) white (prof.40mm)
251005-02	Ivory	ORCA - Wall box faceplate (503) ivory (prof.40mm)
288000-02		ORCA - Adapter AVE Series Ral (moq. 20 pz.)

CODE	COLOUR	DESCRIPTION
281000-07		ORCA - Adapter ABB Series Milos Chiara (moq. 20 pz.)
281000-08	Black	ORCA - Adapter ABB Series Elos color black (moq. 20 pz.)
281000-10	White	ORCA - Adapter ABB Series Chiara color white (moq. 20 pz.)
281000-04	Velvet	ORCA - Adapter ABB Series Mylos Velvet (moq. 20 pz.)
288000-03	Ivory	ORCA - Adapter AVE Series Blanc color ivory (moq. 20 pz.)
288000-01	White	ORCA - Adapter AVE Series Banquise color white (moq. 20 pz.)
288000-00	Black	ORCA - Adapter AVE Series Noir color black (moq. 20 pz.)
288000-02	Grey	ORCA - Adapter AVE Series RAL (moq. 20 pz.)
288000-04	Grey	ORCA - Adapter AVE Series RAL color grey (moq. 20 pz.)
288000-05	Grey	ORCA - Adapter AVE Series DOMUS color grey (moq. 20 pz.)
288000-06	Black	ORCA - Adapter AVE Series TEKLA color black (moq. 20 pz.)
288000-07	Allumia	ORCA - Adapter AVE Series SISTEMIA444 ALLUMIA (moq. 20 pz.)
285000-00	Metal	ORCA - Adapter Series Axolute color silver metal (moq. 20 pz.)
285000-01	Black	ORCA - Adapter Series Axolute color black (moq. 20 pz.)
285000-02	White	ORCA - Adapter Series Axolute color white (moq. 20 pz.)
283000-02	White	ORCA - Adapter Series Living Light color white (moq. 20 pz.)
284000-04	Metal	ORCA - Adapter Series Living Light Tech color silver metal (moq. 20 pz.)
281000-09	White	ORCA - Adapter Series Luna color white (moq. 20 pz.)
282000-02	Black	ORCA - Adapter Series Living color black (moq. 20 pz.)
282000-03	Black	ORCA - Adapter Series Living International color black (moq. 20 pz.)
282000-04	White	ORCA - Adapter Series Living Now - color white (moq. 20 pz.)
282000-05	Black	ORCA - Adapter Series Living Now - color black (moq. 20 pz.)
281000-05	Ivory	ORCA - Adapter Series Magic color ivory (moq. 20 pz.)
281000-06	Ivory	ORCA - Adapter Series Magic TT color ivory (moq. 20 pz.)
280000-06	White	ORCA - Adapter Series Matix color white (moq. 20 pz.)
287000-02	Black	ORCA - Adapter Gewiss Series 9000 System color black (moq. 20 pz.)
287000-01	White	ORCA - Adapter Gewiss Series 9000 System color white (moq. 20 pz.)
287000-06	Ferrari	ORCA - Adapter Gewiss Series 9000 System color rosso Ferrari (moq. 20 pz.)
287000-05	Metal	ORCA - Adapter Gewiss Series Chorus Titanio col.silver metal (moq. 20 pz.)
287000-03	Black	ORCA - Adapter Gewiss Series Chorus color black (moq. 20 pz.)
287000-04	White	ORCA - Adapter Gewiss Series Chorus color white (moq. 20 pz.)
287000-00	Black	ORCA - Adapter Gewiss Series Playbus color black (moq. 20 pz.)
289000-02	White	ORCA - Adapter Legrand Series Cross color white (moq. 20 pz.)
289000-01	White	ORCA - Adapter Legrand Series Mosaic color white (moq. 20 pz.)

CODE	COLOUR	DESCRIPTION
289000-00	Black	ORCA - Adapter Legrand Series Vela color black (moq. 20 pz.)
289000-03	White	ORCA - Adapter Legrand Series Vela color white (moq. 20 pz.)
286000-03	Metal	ORCA - Adapter Vimar Series Eikon color silver metalizzato (moq. 20 pz.)
286000-04	Black	ORCA - Adapter Vimar Series Eikon color black (moq. 20 pz.)
286000-05	White	ORCA - Adapter Vimar Series Eikon color white (moq. 20 pz.)
286000-01	White	ORCA - Adapter Vimar Series Idea color white (moq. 20 pz.)
286000-00	Black	ORCA - Adapter Vimar Series Idea color black (moq. 20 pz.)
286000-02	White	ORCA - Adapter Vimar Series Plana color white (moq. 20 pz.)
286000-06	Metal	ORCA - Adapter Vimar Series Plana Silver col. silver metal (moq. 20 pz.)
286000-08	Black	ORCA - Adapter Vimar Series Arkè color black (moq. 20 pz.)
286000-07	White	ORCA - Adapter Vimar Series Arkè color white (moq. 20 pz.)
286000-09	Antibacterial	ORCA - Adapter Vimar Series Plana Antibacterial (moq. 20 pz.)
286000-10	Metal	ORCA - Adapter Vimar Series Arkè Metal (moq. 20 pz.)
250011-02	Light Grey	ORCA - Plastic adapter for UTP Keystone Jack on DIN rail - without side cover - light grey
250010-02	Light Grey	ORCA - Plastic side cover for Keystone jack on DIN rail adapter



Copper Patch Panel and fast insertion tool system

CAT 5 - 6 - 6A

Application

High Density Patch Panels provide excellent performance for high speed LANs from 10 Mb to Gigabit Ethernet 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analogue (broadband, baseband) and digital video and analogue and digital (VoIP) voice applications.

Description

1U 19" standard format is ideal for rack installation. High quality components and innovative techniques with rear lock cable utilities. Front of the panel features easy to use slide in labels. Fast tool connection for keystone cat. 6 and 6A UTP @180°

Standard compliance and approvals

ANSI/TIA-568-C, ISO/IEC 11801, RoHS Directive 2011/65/EU compliant

CAT
5

CAT
6

CAT
6A

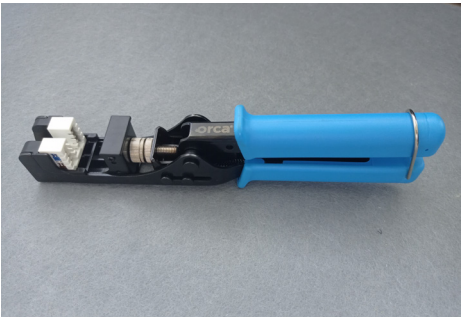
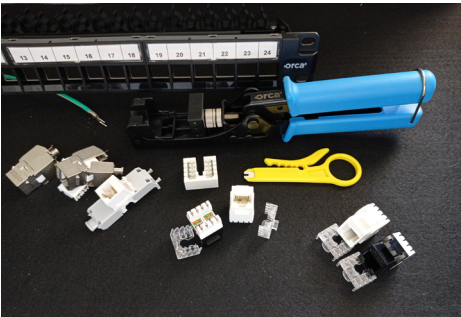
UTP

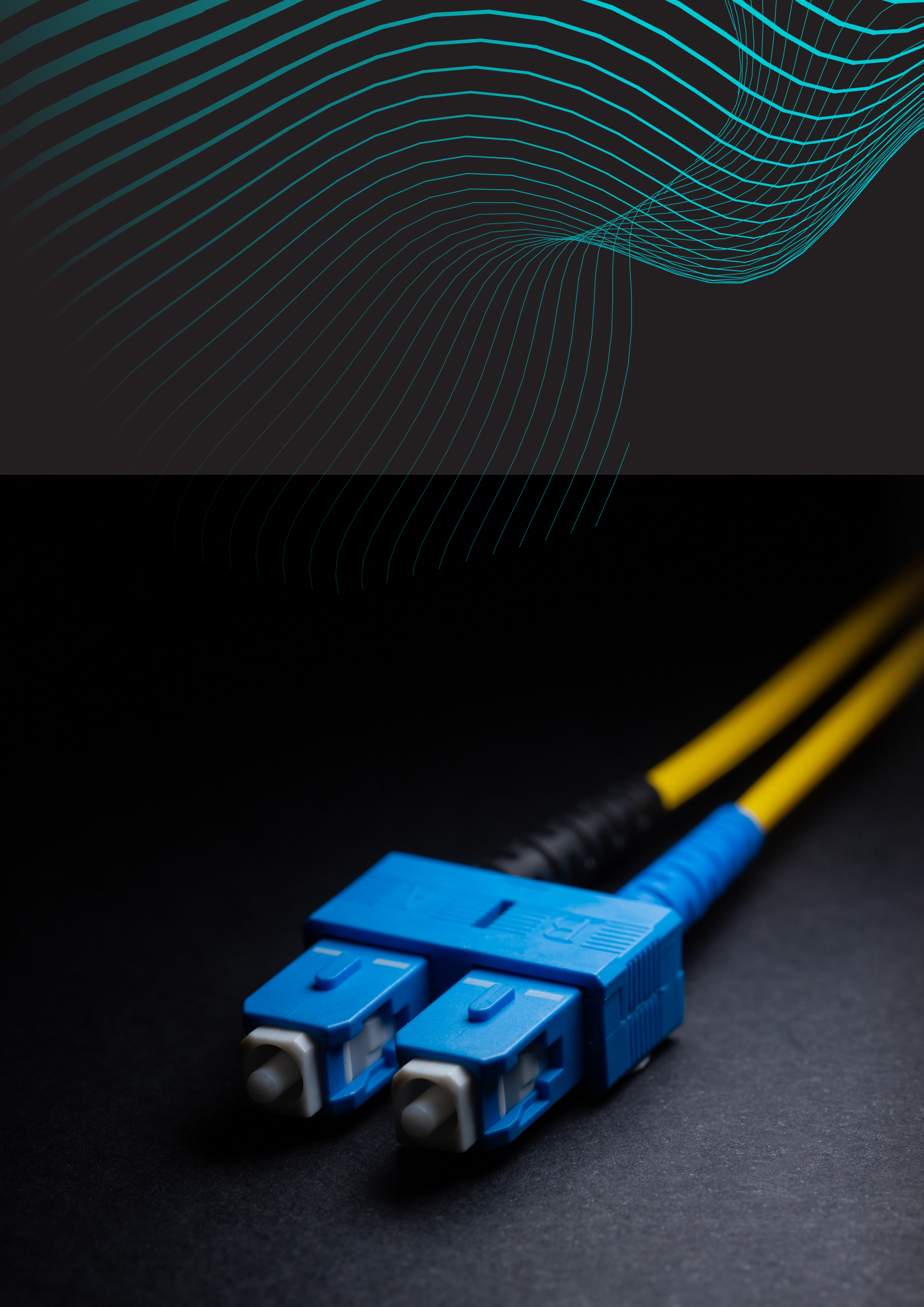
FTP

180°

INDOOR

CODE	ITEM	CATEGORY
269000-08	Insert and cut Tool	Ready for keystone 6 and 6A UTP
570125-24	patchpanel	Ready for 5/6A UTP, FTP with ground cable
233120-18	Keystone 180° black	6 UTP
233130-18	Keystone 180° white	6 UTP
233125-18	Keystone 180° black	6A UTP
233135-18	Keystone 180° white	6A UTP
233124-00	Keystone toolless	6A UTP
235220-01	Keystone toolless	6 FTP
233224-00	Keystone toolless	6A FTP







Fiber Optic

10	CABLES
11	PATCH CORDS
14	BUSSOLE
15	CONNETTORI
16	MPO E TRUCK

Fiber optic solutions

Innovation for the future connections

Optical fiber is a filament of glass or polymeric material (mostly plastic), made in such a way as to be able to conduct light. In fiber infrastructures, data travels through light pulses, and thanks to the characteristics of the cables, the signals propagate rapidly over long distances, exploiting an extremely higher frequency band than that of copper connections.

ORCA's fiber optic solutions, used for the management of indoor and outdoor backbones, consist of a wide range of cables and components that guarantee reliability, safety, and compliance with regulations.

ORCA cables have different types of construction depending on the application and the needs of the end customer: managed "Loose" type with external sheath in LSZH, CPR class Eca / Dca or B2ca or HDPE (for outdoor use); single or multi-tube, with dielectric or corrugated steel armor.

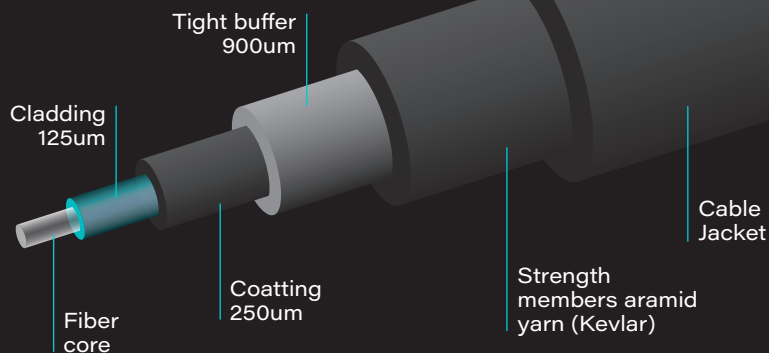
SHEATH



CPR CLASS

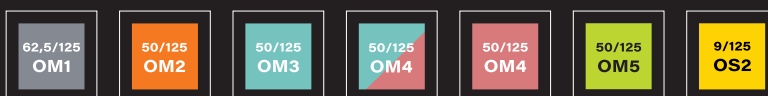


CABLES CONSTRUCTION



QUALITY AND STANDARDS

We have the approved standard versions available: Multimode OM1, OM2, OM3, OM4, OM5 and in the Singlemode version OS2. On request, custom cables are produced for the applications (subsea, areas, fire-resistant, PH90 / 120 etc...)

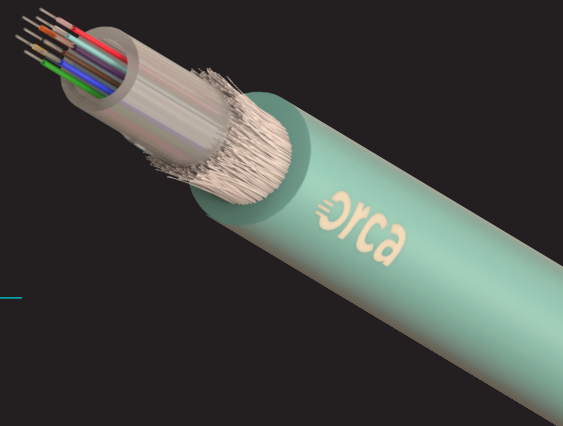


4-12 Fibers Central Tube Indoor Type

Nonmetallic Armored F.O. Cable LSZH - Eca

Application

Cables for indoor installation, but also suitable for outdoor use, with high transmission performance. Suitable for easily scalable and deployable network infrastructures: small business or large multi-purpose venues, supporting high-density system.



Construction and features

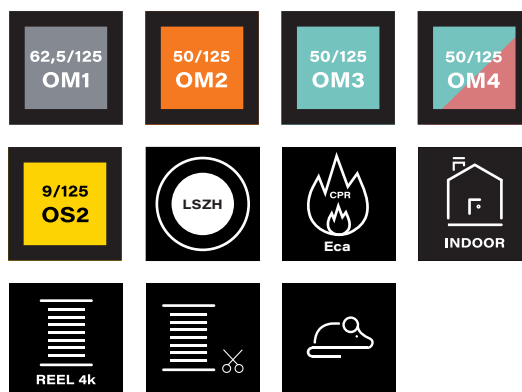
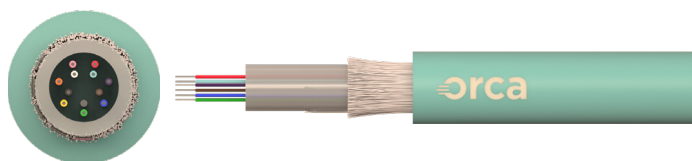
Loose tube material: PC+PBT
Cable diameter: 5,5 mm \pm 0,2
Cable weight: 25 \pm 10% kg/km

Mechanical features

Tensile Force Test Standard: IEC 60794-1-2-E1
Tensile Force Specified Value: 1000 N
Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental features

Temperature cycling Specified Value: Storage -40 to + 70 °C,
Installation 0 to + 50 °C, Operation -20 to + 60 °C



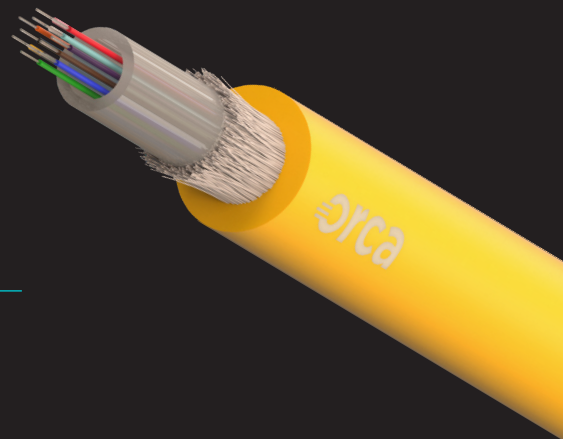
N. FIBERS	62,5/125 OM1	50/125 OM2	50/125 OM3	50/125 OM4	9/125 OS2	CPR RATING
4	111112-04	111111-04	111114-04	111115-04	111113-04	Dca
8	111112-08	111111-08	111114-08	111115-08	111113-08	Dca
12	111112-12	111111-12	111114-12	111115-12	111113-12	Dca

24 Fibers Central Tube Indoor Type

Nonmetallic Armored F.O. Cable LSZH - Dca

Application

Cables for indoor installation, but also suitable for outdoor use, with high transmission performance. Suitable for easily scalable and deployable network infrastructures: small business or large multi-purpose venues, supporting high-density system.



Construction and features

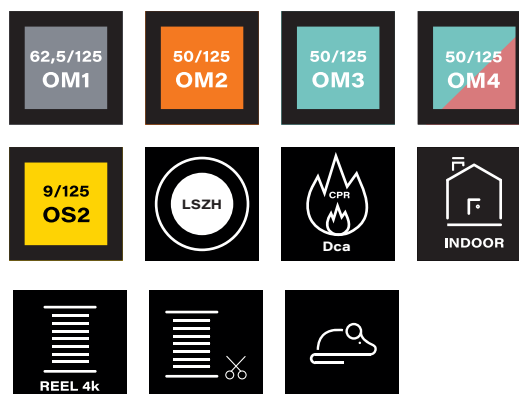
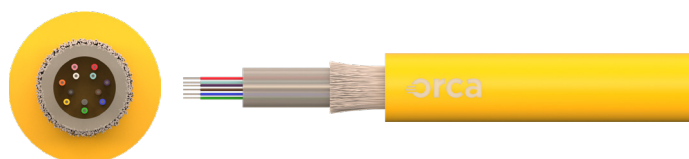
Loose tube material: PC+PBT
Cable diameter: 5,9 mm \pm 0,2
Cable weight: 35 \pm 10% kg/km

Mechanical features

Tensile Force Test Standard: IEC 60794-1-2-E1
Tensile Force Specified Value: 1000 N
Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental features

Temperature cycling Specified Value: Storage -40 to + 70 °C,
Installation 0 to + 50 °C, Operation -20 to + 60 °C



N. FIBERS 62,5/125 OM1 50/125 OM2 50/125 OM3 50/125 OM4 9/125 OS2 **CPR RATING**

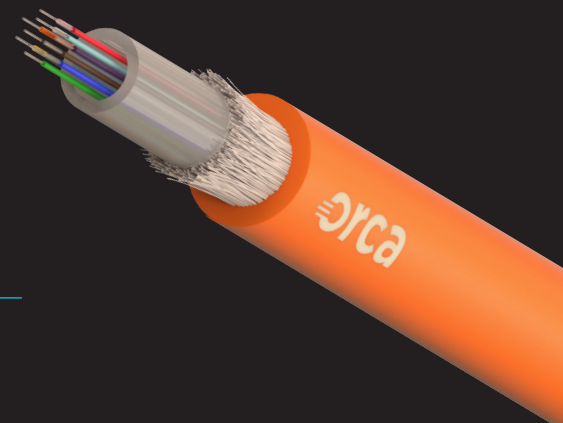
24 111112-24 111111-24 111114-24 111115-24 111113-24 Dca

4-24 Fibers Central Tube Indoor Type

Nonmetallic Armored F.O. Cable LSZH - B2CA (s1a,d0,a1)

Application

Cables for indoor installation, but also suitable for outdoor use, with high transmission performance. Suitable for easily scalable and deployable network infrastructures: small business or large multi-purpose venues, supporting high-density system.



Construction and features

Loose tube material: LSZH

Cable diameter: from 6,10 mm \pm 0,2 to 6,50 mm \pm 0,2

Cable weight: from 45 \pm 10% kg/km to 50 \pm 10% kg/km

Mechanical features

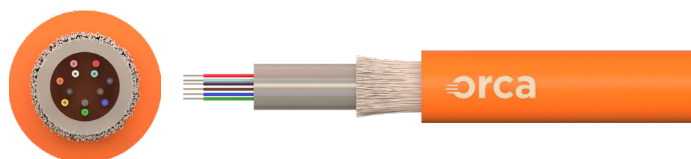
Tensile Force Test Standard: IEC 60794-1-2-E1

Tensile Force Specified Value: 1000 N

Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental Features

Temperature cycling Specified Value: Storage -40 to + 70 °C, Installation 0 to + 50 °C, Operation -20 to + 60 °C



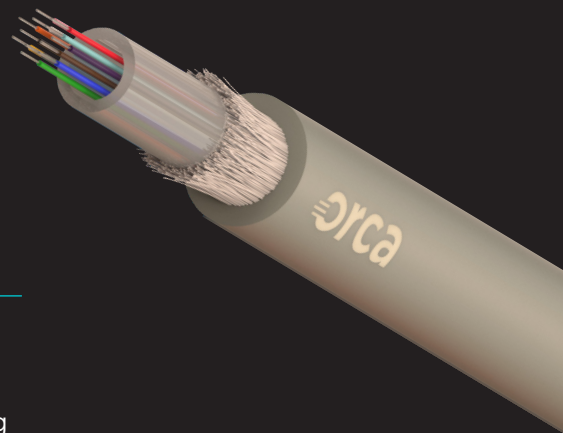
N. FIBERS	50/125 OM2 ●	9/125 OS2 ●	50/125 OM4 ●	CPR RATING
8	111120-08	111130-08	111150-08	B2ca (s1a, d0, a1)
12	111120-12	111130-12	111150-12	B2ca (s1a, d0, a1)
24	111120-24	111130-24	111150-24	B2ca (s1a, d0, a1)

4-24 Fibers Central Tube Outdoor Type

Nonmetallic Armored F.O. Cable HDPE

Application

Dielectric Optical cables for outdoor installation, with high transmission performance. Suitable for easily scalable and deployable network infrastructures: small business or large multi-purpose venues, supporting high-density system.



Construction and features

Loose tube material: PC+PBT

Cable diameter: from 5,5 mm \pm 0,2 to 5,9 mm \pm 0,2

Cable weight: from 25 \pm 10% kg/km to 30 \pm 10% kg/km

Mechanical features

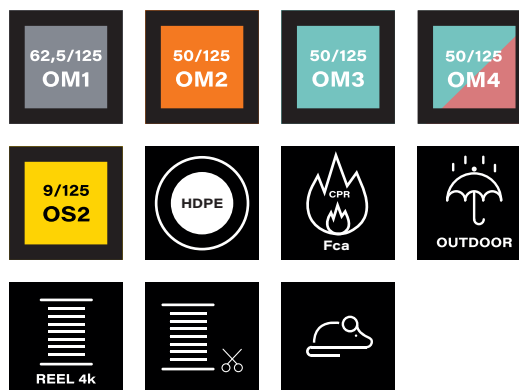
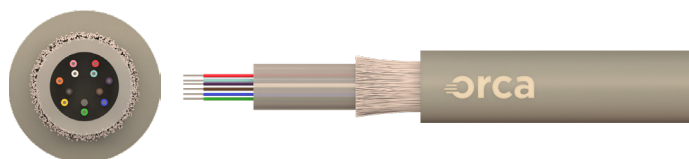
Tensile Force Test Standard: IEC 60794-1-2-E1

Tensile Force Specified Value: 1000 N

Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental features

Temperature cycling Specified Value: Storage -40 to + 70 °C,
Installation 0 to + 50 °C, Operation -20 to + 60 °C



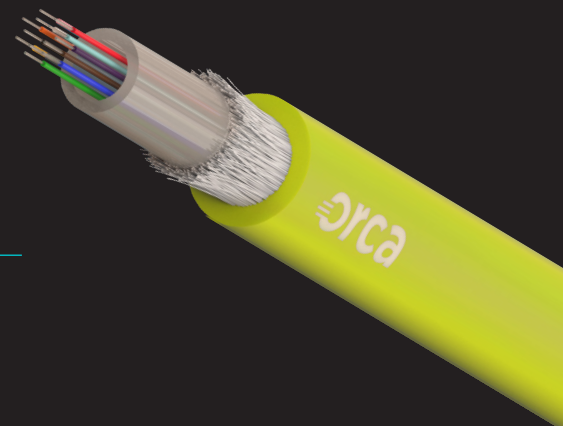
N. FIBERS	62,5/125 OM1	50/125 OM2	50/125 OM3	50/125 OM4	9/125 OS2	CPR RATING
4	112112-04	112111-04	112114-04	112115-04	112113-04	Fca
8	112112-08	112111-08	112114-08	112115-08	112113-08	Fca
12	112112-12	112111-12	112114-12	112115-12	112113-12	Fca
24	112112-24	112111-24	112114-24	112115-24	112113-24	Fca

4-24 Fibers Central Tube Indoor Type

Nonmetallic Armored F.O. Cable LSZH - B2CA (s1a, d0,a1)

Application

Optical fiber is used as a physical transmission medium for data communication to provide support for network equipment; supports multiple wavelength channels, in four wavelength SWDM4 or dual wavelength BiDi technology. Ready for 400G Base-SRx in hi-speed datacentre application.



Construction and features

Loose tube material: LSZH

Cable diameter: from 6,10 mm \pm 0,2 to 6,50 mm \pm 0,2

Cable weight: from 45 \pm 10% kg/km to 50 \pm 10% kg/km

Mechanical features

Tensile Force Test Standard: IEC 60794-1-2-E1

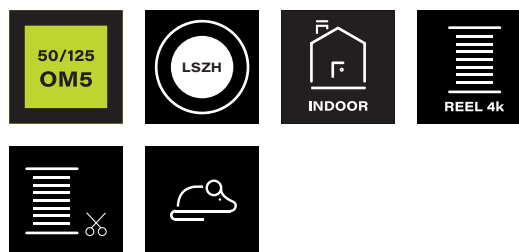
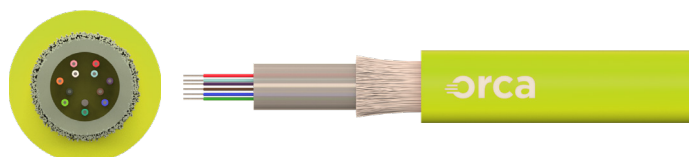
Tensile Force Specified Value: 1000 N

Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental features

Temperature cycling Specified Value: Storage -40 to + 70° C,

Installation 0 to + 50° C, Operation -20 to + 60° C



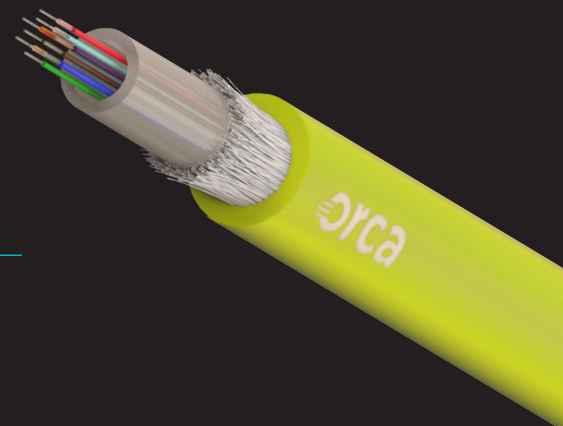
N. FIBERS	50/125 OM5 ●	CPR RATING
8	111160-08	B2ca (s1a, d0, a1)
12	111160-12	B2ca (s1a, d0, a1)
24	111160-24	B2ca (s1a, d0, a1)

4-24 Fibers Central Tube Indoor Type

Nonmetallic Armored F.O. Cable LSZH – Eca

Application

Optical fiber is used as a physical transmission medium for data communication to provide support for network equipment; supports multiple wavelength channels, in four wavelength SWDM4 or dual wavelength BiDi technology. Ready for 400G Base-SRx in hi-speed datacentre application.



Construction and features

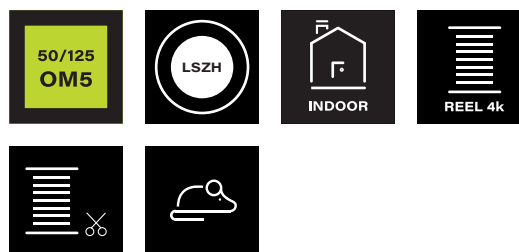
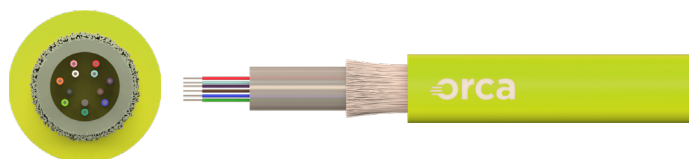
Loose tube material: PC+PBT
Cable diameter: 5,5 mm \pm 0,2 / 5,9 mm \pm 0,2
Cable weight: 34/38 \pm 10% kg/km

Mechanical features

Tensile Force Test Standard: IEC 60794-1-2-E1
Tensile Force Specified Value: 1000 N
Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental features

Temperature cycling Specified Value: Storage -40 to + 70° C,
Installation 0 to + 50° C, Operation -20 to + 60° C



N. FIBERS	50/125 OM5 ●	CPR RATING
4	111116-04	Eca
8	111116-08	Eca
12	111116-12	Eca
24	111116-24	Eca

4-24 Fibers Central Tube Outdoor Type

Steel Armored F.O. Cable - HDPE

Application

For external or direct wiring in the ground, in pipelines, pipes, collectors, on bridges and overpasses

Construction and features

Loose tube material: PC+PBT

Cable diameter: from 7,20 mm $\pm 0,2$ to 7,70 mm $\pm 0,2$

Cable weight: from 57 $\pm 10\%$ kg/km to 61 $\pm 10\%$ kg/km

Mechanical features

Tensile Force Test Standard: IEC 60794-1-2-E1

Tensile Force Specified Value: 500 N

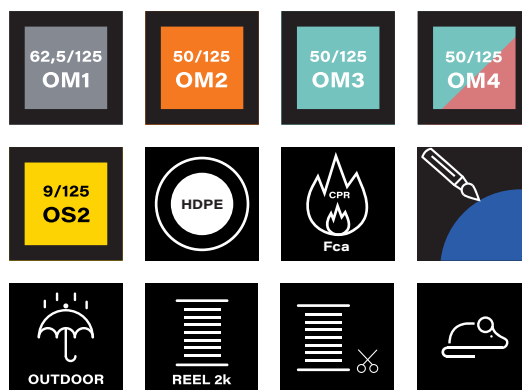
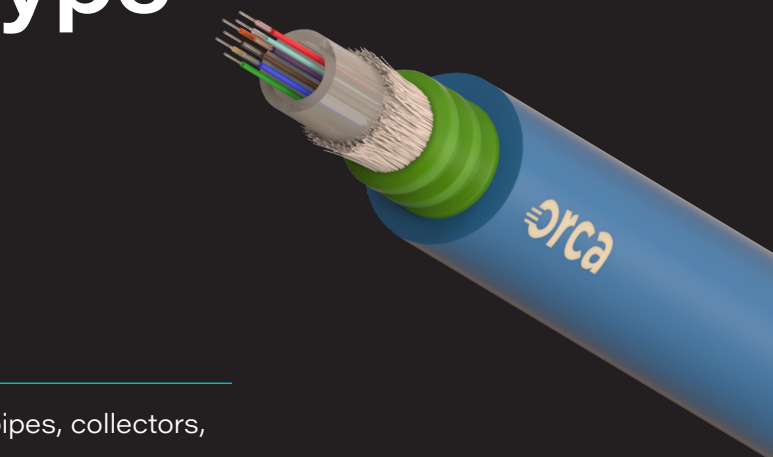
Crush Resistance Test Standard: IEC 60794-1-2-E3

Environmental features

Temperature cycling Specified Value: Storage -30 to + 70 °C,

Installation -30 to + 70 °C, Operation -40 to + 70 °C

Temperature cycling delta: Δ dB C 0.2 dB/km for SM fibers and
BdB C 0.5 dB/km for MM fibers.



N. FIBERS	62,5/125 OM1	50/125 OM2	50/125 OM3	50/125 OM4	9/125 OS2	CPR RATING
4	112212-04	112211-04	112214-04	112215-04	112213-04	Fca
8	112212-08	112211-08	112214-08	112215-08	112213-08	Fca
12	112212-12	112211-12	112214-12	112215-12	112213-12	Fca
24	112212-24	112211-24	112214-24	112215-24	112213-24	Fca

Fibers Optic Drawer

Loaded/Unloaded



Application

CATV and Multimedia; Telecommunication Networks; Data Processing Networks; Gigabit Ethernet; Interconnection for O/E Modules Industrial; Military and Medical

Description

ORCA®'s 1U high Rack Mount Fiber optic Patch Panel allows for easy and quick arrangement of the fiber optic cables, also provide fiber organization and protection. It can contain up to 24 adapters and can be ordered loaded or unloaded. All components and the final product are designed and tested to conform the requirements of cable management in the fiber optic system.

Specification

ORCA's fiber optics drawers feature 6, 12, 24-port capacity. It is 19" (1 unit) high and is rack mounted. Includes blank covers, cable management, cable grip, screws for adapters user's manual and 19" side brackets.

General features

Good Exchangeability; Good Durability; Easy access for splicing

Physical: Realized in 15/10 steel painted; Surface finish Black RAL 9005; Height 1U, front uprights fixing; Type of mounting 19"; Rear Cable Gland and 3 blank cover included

Dotation: Holds up to 24 adapter; Duplex or simplex footprint version, ST, SC and LC; Cable management 24 Blank cover (SC, LC or ST); 48 adapter screw (only for SC and LC version); Rear Cable Gland and 3 blank cover included; Available with multimode and single mode adapters



CODE	FIBERS	FOOTPRINT	DESCRIPTION
170110-00N	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer unloaded 24p SC DPX 1U with accessories
170110-06	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 6 adapters MultiMode OM1/2
170110-12	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 12 adapters MultiMode OM1/2
170110-24	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 24 adapters MultiMode OM1/2
170150-06	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 6 adapters MultiMode OM3/4
170150-12	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 12 adapters MultiMode OM3/4
170150-24	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 24 adapters MultiMode OM3/4
170130-06	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 6 adapters SingleMode OS2
170130-12	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 12 adapters SingleMode OS2
170130-24	48-max 96	24 SC DPX	ORCA - Fiber Optic Drawer SC 24p DPX 1U with 24 adapters SingleMode OS2



CODE	MAX. FIBERS	FOOTPRINT	ADAPTERS	DESCRIPTION
170510-00G	24	ST SPX	Unload	
170510-00N	24	ST SPX	Unload	
170510-06	24	ST SPX	Unload	OM1/2 ST SPX
170510-12	24	ST SPX	Unload	OM1/2 ST SPX
170510-24	24	ST SPX	Unload	OM1/2 ST SPX
170530-06	24	ST SPX	Unload	OS2 ST SPX
170530-12	24	ST SPX	Unload	OS2 ST SPX
170530-24	24	ST SPX	Unload	OS2 ST SPX
170110-00N	48/96	SC DPX	Unload	
170110-06	48	SC DPX	Unload	OM1/2 SC DPX
170110-12	48	SC DPX	Unload	OM1/2 SC DPX
170110-24	48	SC DPX	Unload	OM1/2 SC DPX
170150-06	48	SC DPX	Unload	OM3/4 SC DPX
170150-12	48	SC DPX	Unload	OM3/4 SC DPX
170150-24	48	SC DPX	Unload	OM3/4 SC DPX
170130-06	48	SC DPX	Unload	OS2 SC DPX
170130-12	48	SC DPX	Unload	OS2 SC DPX
170130-24	48	SC DPX	Unload	OS2 SC DPX
170310-00N	24/48	SC SPX / LC DPX	Unload	
170310-06	24/48	SC SPX / LC DPX	Unload	OM1/2 LC DPX
170310-12	24/48	SC SPX / LC DPX	Unload	OM1/2 LC DPX
170310-24	24/48	SC SPX / LC DPX	Unload	OM1/2 LC DPX
170311-12	48/96	SC DPX	Unload	OM1/2 LC QUAD
170311-24	48/96	SC DPX	Unload	OM1/2 LC QUAD
170151-06	24/48	SC SPX / LC DPX	Unload	OM3/4 LC DPX
170151-12	24/48	SC SPX / LC DPX	Unload	OM3/4 LC DPX
170151-24	24/48	SC SPX / LC DPX	Unload	OM3/4 LC DPX
170330-06	24/48	SC SPX / LC DPX	Unload	OS2 LC DPX
170330-12	24/48	SC SPX / LC DPX	Unload	OS2 LC DPX
170330-24	24/48	SC SPX / LC DPX	Unload	OS2 LC DPX
170331-12	48/96	SC DPX	Unload	OS2 LC QUAD
170331-24	48/96	SC DPX	Unload	OS2 LC QUAD

Fibers Optic Drawer

Loaded/Unloaded



Application

CATV and Multimedia; Telecommunication Networks; Data Processing Networks; Gigabit Ethernet; Interconnection for O/E Modules Industrial; Military and Medical

Description

ORCA®'s 1U high Rack Mount Fiber optic Patch Panel allows for easy and quick arrangement of the fiber optic cables, also provide fiber organization and protection. It can contain up to 24 adapters and can be ordered loaded or unloaded. All components and the final product are designed and tested to conform the requirements of cable management in the fiber optic system.

Specification

ORCA's fiber optics drawers feature 6, 12, 24-port capacity. It is 19" (1 unit) high and is rack mounted. Includes blank covers, cable management, cable grip, screws for adapters user's manual and 19" side brackets.

General features

Good Exchangeability; Good Durability; Easy access for splicing.

Physical: Realized in 15/10 steel painted; Surface finish Black RAL 9005; Height 1U, front uprights fixing; Type of mounting 19"; Rear Cable Gland and 3 blank cover included

Dotation: Holds up to 24 adapter; Duplex or simplex footprint version, ST, SC and LC; Cable management 24 Blank cover (SC, LC or ST); 48 adapter screw (only for SC and LC version); Rear Cable Gland and 3 blank cover included; Available with multimode and single mode adapters



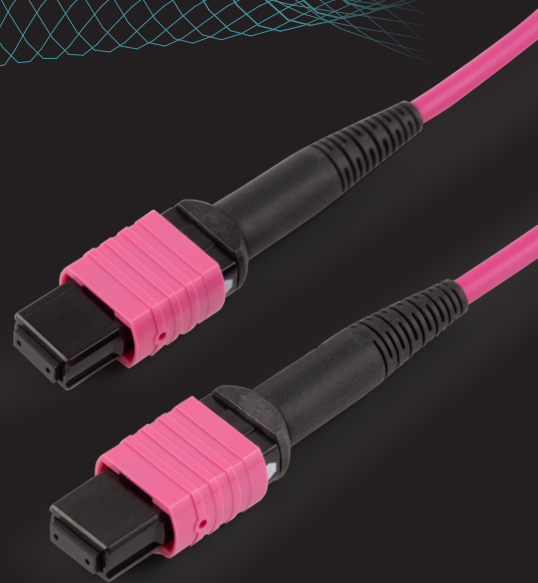
CODE	FIBERSS	FOOTPRINTS	DESCRIPTION
170510-00N	Max 24	24 ST/FC	ORCA - Fiber Optic Drawer unloaded ST 24p 1U with accessories
170510-06	Max 24	25 ST/FC	ORCA - Fiber Optic Drawer ST 24p 1U with 6 adapters MultiMode OM1/2
170510-12	Max 24	26 ST/FC	ORCA - Fiber Optic Drawer ST 24p 1U with 12 adapters MultiMode OM1/2
170510-24	Max 24	27 ST/FC	ORCA - Fiber Optic Drawer ST 24p 1U with 24 adapters MultiMode OM1/2
170530-06	Max 24	28 ST/FC	ORCA - Fiber Optic Drawer ST 24p 1U with 6 adapters SingleMode OS2
170530-12	Max 24	29 ST/FC	ORCA - Fiber Optic Drawer ST 24p 1U with 12 adapters SingleMode OS2
170530-24	Max 24	30 ST/FC	ORCA - Fiber Optic Drawer ST 24p 1U with 24 adapters SingleMode OS2

Fiber optic MPO/MPT

Hi Density termination system

Application

ORCA® MPO Optical Fiber Solution is an excellent solution for connecting devices, quickly and reliably.



Characteristic

Pre terminated fiber cords, breakout cassettes and fiber assemblies complete a network.

The MPO connector is the most compact connector available on multi-strand fiber cables. MPO Cables are the most compact multi-fiber cable around. What's more, you get up to 12 fibers in a single cable run.

Run multi-strand fiber optic cables with fiber optic cables without worrying about expensive, time-consuming termination. Because they are pre-terminated, you can install and test them in the same day.

MTP/MPO trunk multifiber cable assemblies facilitate rapid deployment of high density backbone cabling in data centers and other high fiber environments, reducing network installation or reconfiguration time and cost. They are used to interconnect cassettes, panels or ruggedized MTP/MPO fanouts, spanning MDA, HDA and EDA zones.

Material specification

Operation Temperature: -40 to 70 °C

Compliance

Polarity Pair-Flipped AB/BA and Key Up/Down

MTP Female/Male

MPO Female/Male

C-Type

Allow easy migration from 10GbE to 40GbE or 100GbE

Standard complinace and approvals

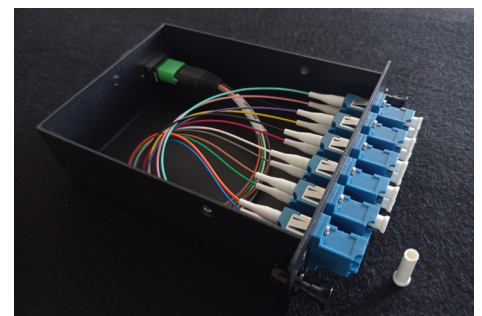
12 and 24 fiber MPO Trunk Cable meet or exceed the requirements of GR-409 core and UL/NEC rating for Riser and Plenum applications - US Conec MTP® connector, Senko MPO Plus premium connector

ISO9001 Certificate; ROHS Compliant; IEC61754-7; IEC PAS 61300-3-35 Method B; TIA 605-4; EIA/TIA and Telecocardia GR-326-CORE standards



CODE	DESCRIPTION	FIBER TYPE	N. FO
179020-04	MPO 19" Subrack 1 Unit Black for 4 Modules (empty)	All	48 max
179020-01	Blind Adapter Panel Black	-	-
150820-00	Cassette module or blind, MPO/MPO with 8 MPO slot adapters (unload)	All	-
150820-08	Cassette module or blind, MPO/MPO with 8 MPO adapters (load)	All	-
158254	Cassette module, 1xMPO to 6xLCdx	OM3	12
158264	Cassette module, 2xMPO to 12xLCdx	OM3	24
158255	Cassette module, 1xMPO to 6xLCdx	OM4	12
158265	Cassette module, 2xMPO to 12xLCdx	OM4	24
158253	Cassette module, 1xMPO to 6xLCdx	OS2	12
158263	Cassette module, 2xMPO to 12xLCdx	OS2	24
128524-12-02	MPO to 6xLCdx, 2m with 50cm fanout	OM3	12
128525-12-02	MPO to 6xLCdx, 2m with 50cm fanout	OM4	12
128523-12-02	MPO to 6xLCdx, 2m with 50cm fanout	OS2	12
120825-12-xx	TRUNK MPO/MPO 12FO – (m) - with test report and label	OM4	12
120825-12-xx-B2	TRUNK MPO/MPO 12FO – (m) – CPR B2ca - with test report and label	OM4	12
120824-12-xx	TRUNK MPO/MPO 12FO - (m) - with test report and label	OM3	12
120824-12-xx-B2	TRUNK MPO/MPO 12FO - (m) CPR B2ca - with test report and label	OM3	12
120824-12-xx	TRUNK MPO/MPO 12FO OS2 ELITE – (m) - with test report and label	OS2	12
120824-12-xx-B2	TRUNK MPO/MPO 12FO OS2 ELITE - CPR B2ca - (m) - with test report and label	OS2	12
120825-24-xx	TRUNK 2xMPO/MPO 24FO OM4 – (m) - with test report and label	OM4	2x12
120825-24-xx-B2	TRUNK 2xMPO/MPO 24FO OM4 - CPR B2ca - (m) - with test report and label	OM4	2x12
120824-24-xx	TRUNK 2xMPO/MPO 24FO OS2 ELITE – (m) - with test report and label	OS2	2x12
120824-24-xx-B2	TRUNK 2xMPO/MPO 24FO OS2 ELITE - CPR B2ca - (m) - with test report and label	OS2	2x12
EYEKIT	Pulling eye kit (one side)	-	-
MPO o MTP	Adapter MPO/MPO	All	12

All code already available in MTP version



Fiber Optic Terminal Wall Box



Application

ORCA® Fiber Terminal Box is available for small capacity communication system, wall mounting, reasonable and compact structure, harmonized with machine room.

Description

The terminal wall box it is the best solution for indoor optical cable distribution or termination. Provide fusion and storage appliance of fixing, stripping and earthing for optical cables. Whole range protected design for fiber lay to ensure the right bending radius. The Terminal Box include the fiber management accessories (splice tray and cable gland) and to avoid any unexpected damage to the fiber.

Specification

The Fiber Optic Wall Box is composed of two part, one links with optical cables for fusion connection between optical cable and fiber pigtails and other links with patch cords.



General features

Available unloaded

- Material:** Body in steel
- Colour:** Grey (black colour on request)
- Size:** 350x350x80mm
- Dotations:** Include the cable management accessories and splice tray, Key door locked



CODE	FIBERS	FOOTPRINT	DESCRIPTION
171000-24	Max capacity (core): 24 fiber (SC) - 48 fiber (LC)	24 SC SPX	ORCA - Wall Box 24 port SC SPX / LC Unloaded

Fiber Optic Desk Terminal Box



Application

The SC SPX footprint accept the LC DPX SM or MM adapter.

Description

"ORCA® terminal optic box it is the best solution for indoor optical cable distribution or termination. The plastic case it is very light for a simple use. The FOTB fit the SC Simplex adapter (on request with ST and FC adapter). It is possible to buy the unloaded version (w/o Adapter) or the preloaded version with singlemode or multimode adapter. The Terminal Box include the fiber management accessories (splice tray and cable gland). The Fiber Optic Terminal Box can be applied in the straight trough or branch connection of indoor optical cable, available for distribution and terminal connection. Easy to use for desk or wall mounted applications for its less weight.

Specification

Available unloaded or with SM or MM adapter



General features

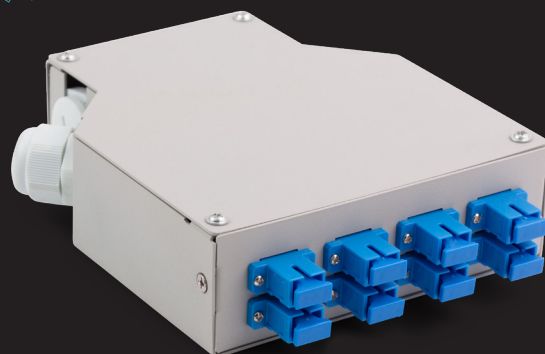
- Material:** Plastic Body, Low weight
- Colour:** White/ivory
- Size:** 285x125x50mm
- Dotation:** Include the shrinkable tube; Include the cable management accessories
- Optional:** The SC SPX Style box are available on request in ST and FC version, on project only.



CODE	FIBERS	FOOTPRINT	DESCRIPTION
171100-08	Max 16	8 SC SPX	ORCA - Terminal Optic Box 8 port SC SPX / LC DPX - ivory (unloaded)
171310-08	Max 16	8 SC SPX	ORCA - Terminal Optic Box 8 port SC SPX - ivory (with MM adapter)
171330-08	Max 16	8 SC SPX	ORCA - Terminal Optic Box 8 port SC SPX - ivory (with SM adapter)

Termination box DIN bar

Loaded/Unloaded



Application

ORCA® Fiber access termination box is able to hold up to 12 subscribers. It is used as a termination point for the feeder cable to connect with drop cable in FTTx network system. It integrates fiber splicing, plitting, distribution, storage and cable connection in one solid protection box.

Specification

"Integrated with splice cassette and cable management rods; Manage fibers in a reasonable fiber radius condition; Easy to maintain and extend the capacity; Fiber bend radius control more than 40mm; Suitable for the fusion splice or mechanical splice; Efficient cable management.

General features

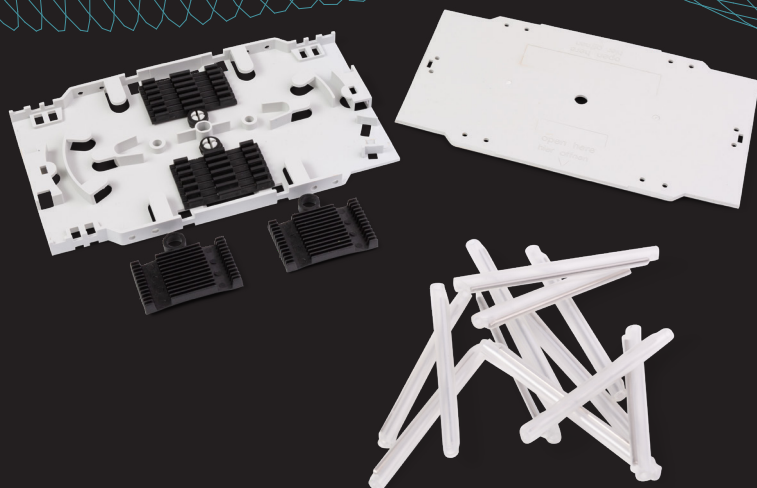
Material: Iron 10/10 coating realized
Colour: Grey
Size: 142 x 126 x 40 mm
Dotations: Integrated with splice cassette and cable management rods
Design: Water-proof design with IP-54 Protection level

Other features: DIN bar profile Clips; 4 ports cable entrance for drop cable, 2 linear or 2 angled; Unloaded version with caps to cover empty hole and screws to fix optical adapters.



CODE	FIBERS	FOOTPRINT	DESCRIPTION
171100-06U-DIN	12 to 24	6 port SCdx footprint for SC duplex and LC quad	ORCA - Terminal optic Box - DIN type - 6 SC DPX port, grey colour, unloaded, with 6 pcs black cover and 12 pcs fixing screw, no adapters.
171100-08U-DIN	8 to 16	8 port SCsx for SC simplex or LC duplex adapters	ORCA - Terminal optic Box - DIN type - 8 SC SPX port, grey colour, unloaded, with 8 pcs black cover and 16 pcs fixing screw, no adapters
171100-06S-DIN	12	–	ORCA - Terminal optic Box - DIN - Grey - loaded with 6 SC DPX SM
171100-06O-DIN	12	–	ORCA - Terminal optic Box - DIN - Grey - loaded with 6 SC DPX OM4
171100-08S-DIN	8	–	ORCA - Terminal optic Box - DIN - Grey - loaded with 8 SC SPX SM
171100-08O-DIN	8	–	ORCA - Terminal optic Box - DIN - Grey - loaded with 8 SC SPX OM4

Fibers splice tray and heat shrink tubes



Application

CATV and Multimedia; Telecommunication Networks; Data Processing Networks; Gigabit Ethernet; Interconnection for O/E Modules; Industrial, Military and Medical

Description

ORCA® offers splice tray for both wall-mount and rack mount enclosures. The splice trays are designed to provide maximum physical protection for fusion splicing. Fiber heat shrinkable tube is made of heat shrinkable polymer material. The transparent outer layer is convenient to detect whether the fiber joint is connected correctly.

Specification

Slimline, stackable design allows higher splice density.

General features

Good Exchangeability; Good Durability; Easy access for splicing; Easy to combine 2 splice trays, Ease of installation, With 2 double sided adhesive foam pad for fixing inside the drawer or hole

Size: 167 x 103 x 13mm

Operating/ Storage Temperature: -30°C to +75°C

Cable management: Minimum fiber bending radius maintained with cable management



CODE	FIBERS	DESCRIPTION
170602-12	24	ORCA - Fiber Splice Tray 12/24 slot
170600-00	12/24	ORCA - Fiber optic slim splicer tray 12/24 FO - gray
150000-40	1	ORCA - Heat shrinkable sleeve 40mm - (conf. 120 Pz.)
150000-60	1	ORCA - Heat shrinkable sleeve 60mm - (conf. 120 Pz.)

Metallic Splitter

6-12 and 24 position



Application

ORCA® in/outdoor fan-out kits are specifically designed for the termination of up to 4 to 12 pre-terminated cables. They provide the ultimate solution for a quick and easy field-/direct installation.

Description

The kits provide the most compact, easy-to-install solution in its application range. The kits are available as a customized fully pre-terminated set, according to the customers' specifications, or as a basic unit for DIY purposes and applications.

General features

Material: Alluminium

Size: Cable Gland Size M12 – polyamide/nylon 66 (PA66)

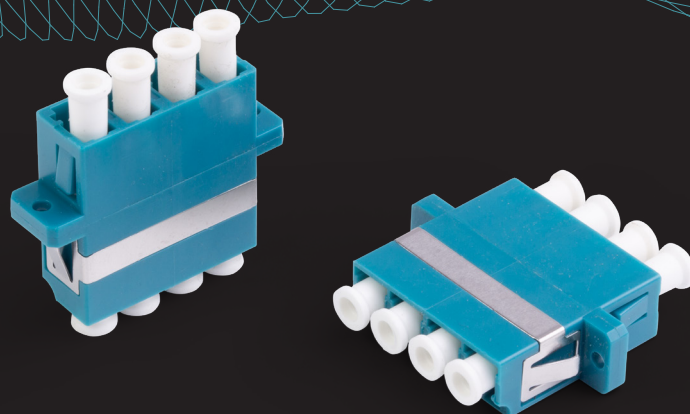
Screw Size M2x3 – metallic

CODE	FIBERS	DESCRIPTION
150412-00	12	ORCA – Metal Splitter 4-12 position with tang
150024-00	24	ORCA – Metal Splitter 24 position with tang
150001-01		ORCA – Pullink Eye for trunk cable

Optical Adapter

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial, Military and Medical



Description

ORCA® fiber optic adapters are designed and manufactured with an ISO9001 system. A complete line of adapter for any telecommunications application. Available in MultiMode 50/125 μm , OM2/OM3/OM4, OM1 62,5/125 μm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic or metal sleeve. Most standard cable assemblies are in stock for immediately ship, special and bulk packages are available and quickly achievable on request.

General features

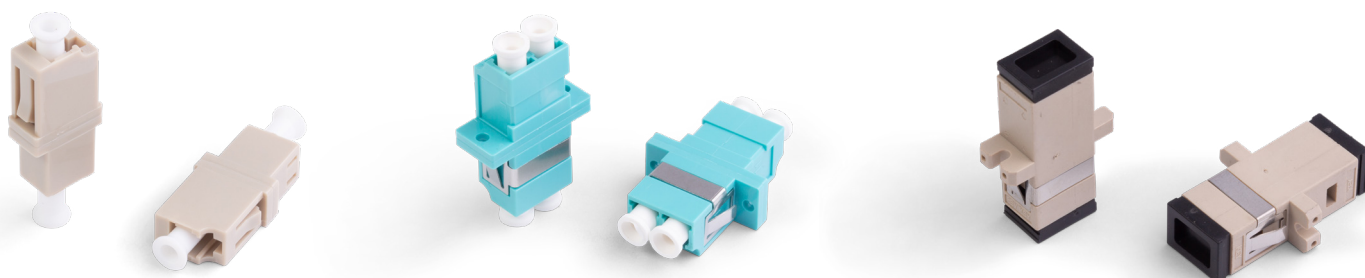
High Temperature Stability, High Precision Alignment, Compact design, Low Insertion Loss, High Back Reflection Loss, Hybrid configuration available, Clips or clips/screw mounting, Duplex or Simplex version.

Specific features

ZrO₂ zirconia - 125 μm Ceramic Sleeve Technology, Plastic in standard colours or Metal housing.

Standard Compliance and Approvals

ANSI, TIA/EIA, Telcordia, NTT and JIS Compliance



LC SIMPLEX	FIBER TYPE	MATERIAL	COLOUR
143321-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140323-00	9/125 OS2	Plastic	Blue
LC DUPLEX	FIBER TYPE	MATERIAL	COLOUR
143311-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140311-04	50/125 OM3/4	Plastic	Aqua
140311-05 da codificare	50/125 OM4	Plastic	Magenta
140311-06	50/125 OM5	Plastic	Lime
140313-00	9/125 OS2	Plastic	Blue
LC DUPLEX FLANGLESS	FIBER TYPE	MATERIAL	COLOUR
Da codificare	9/125 OS2	Plastic	Blue
LC QUAD	FIBER TYPE	MATERIAL	COLOUR
140331-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140331-04 da codificare	50/125 OM3/4	Plastic	Aqua
140331-05 da codificare	50/125 OM4	Plastic	Magenta
140333-00	9/125 OS2	Plastic	Blue
SC SIMPLEX	FIBER TYPE	MATERIAL	COLOUR
140121-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140112-03	50/125 OM3/4	Plastic	Aqua
140112-05 da codificare	50/125 OM4	Plastic	Magenta
140112-06 da codificare	50/125 OM5	Plastic	Lime
140123-00	9/125 OS2	Plastic	Blue
SC SIMPLEX FLANGLESS	FIBER TYPE	MATERIAL	COLOUR
Da codificare	9/125 OS2	Plastic	Blue
SC DUPLEX	FIBER TYPE	MATERIAL	COLOUR
140111-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140111-04	50/125 OM3/4	Plastic	Aqua
140111-05 da codificare	50/125 OM4	Plastic	Magenta
140111-06 da codificare	50/125 OM5	Plastic	Lime
140113-00	9/125 OS2	Plastic	Blue
SC-ST SIMPLEX	FIBER TYPE	MATERIAL	COLOUR
142123-00	9/125 OS2	Plastic	Blue

SC-ST DUPLEX	FIBER TYPE	MATERIAL	COLOUR
142111-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
142113-00	9/125 OS2	Plastic	Blue
ST SIMPLEX	FIBER TYPE	MATERIAL	COLOUR
140221-00	62,5/125 OM1, 50/125 OM2	Metal	Metal
Da codificare	50/125 OM3/4	Metal	Metal
140223-00	9/125 OS2	Metal	Metal
ST DUPLEX	FIBER TYPE	MATERIAL	COLOUR
140211-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140213-00	9/125 OS2	Metal	Metal
FC SIMPLEX	FIBER TYPE	MATERIAL	COLOUR
140521-00	62,5/125 OM1, 50/125 OM2	Metal	Metal
140523-00	9/125 OS2	Metal	Metal
MT DUPLEX	FIBER TYPE	MATERIAL	COLOUR
140411-00	62,5/125 OM1, 50/125 OM2	Plastic	Almond
140413-00	9/125 OS2	Plastic	Black
LC/APC DUPLEX	FIBER TYPE	MATERIAL	COLOUR
149313-00	9/125 OS2	Plastic	Green
LC/APC DUPLEX FLANGLESS	FIBER TYPE	MATERIAL	COLOUR
Da codificare	9/125 OS2	Plastic	Green
LC/APC QUAD	FIBER TYPE	MATERIAL	COLOUR
149333-00 Da codificare	9/125 OS2	Plastic	Green
SC/APC SIMPLEX	FIBER TYPE	MATERIAL	COLOUR
900002-03	9/125 OS2	Plastic	Green
Da codificare	9/125 OS2	Metal	Metal
SC/APC SIMPLEX FLANGLESS	FIBER TYPE	MATERIAL	COLOUR
900002-01	9/125 OS2	Plastic	Green
SC/APC SIMPLEX FLANGLESS DUSTCOVER	FIBER TYPE	MATERIAL	COLOUR
900002-02	9/125 OS2	Plastic	Green
SC/APC DUPLEX	FIBER TYPE	MATERIAL	COLOUR
140913-00	9/125 OS2	Plastic	Green

Ceramic Optical Connectors



Application

A complete line of fiber connectors for any telecommunications application. Available in Multimode and Single-mode version

Description

ORCA® connectors are designated and manufactured with an ISO9001 system. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard connectors are in stock for immediately ship, special and bulk packages are available and we make quickly on request.

General features

High performance, Duplex clip available, Included 900µm and 3mm boots, Available in multimode or singlemode

Specific features

Pre-radius ceramic ferrule, Body polymer material, Anaerobic epoxy compatible, For 125µm cladding diameter.

Standard Compliance and Approvals

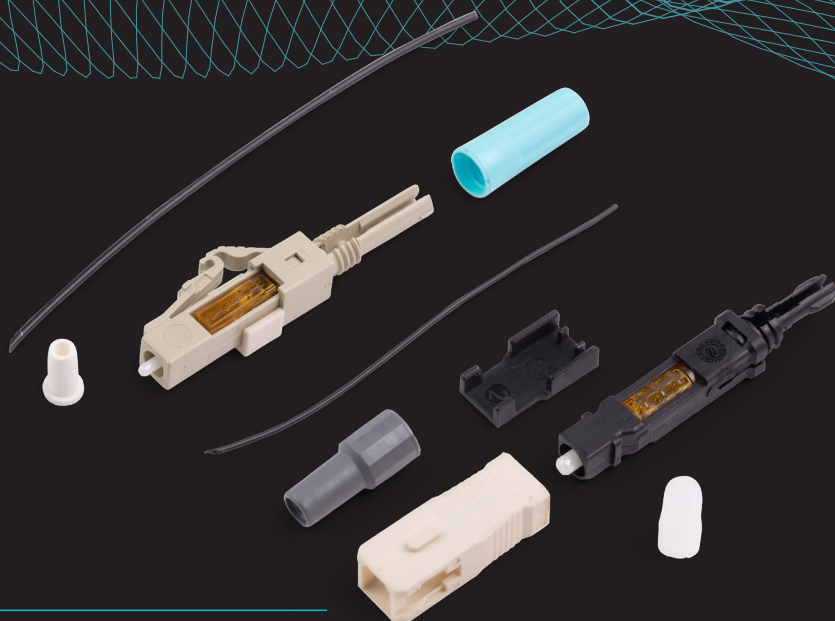
IEC 60874-14, CECC BFOC 86260, EIA/TIA and Telcordia (Bellcore), ROHS Compliant

SC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
130121-01	50/125 OM2	Ceramic/plastic	0,9/3,0mm	Almond
130123-01	9/125 OS2	Ceramic/plastic	0,9/3,0mm	Blue
130221-01	50/125 OM2	Ceramic/Nichel plated Brass	0,9/3,0mm	Metal
130223-01	9/125 OS2	Ceramic/Nichel plated Brass	0,9/3,0mm	Metal
LC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
130321-01	50/125 OM2	Ceramic/plastic	3,0mm	Almond
130321-02	50/125 OM2	Ceramic/plastic	0,9mm	Almond
130323-01	9/125 OS2	Ceramic/plastic	3,0mm	Blue
130323-02	9/125 OS2	Ceramic/plastic	0,9mm	Blue
LC DUPLEX	FIBER TYPE	CERAMIC/PLASTIC	3,0MM	BLUE
130311-01	50/125 OM2	Ceramic/plastic	3,0mm	Almond
130313-01	9/125 OS2	Ceramic/plastic	3,0mm	Blue

Field Assembly Optical Connector

Application

Fiber Optic Telecommunication, Fiber Distribution Frame, FTTH Outlets, Optical Cable Interconnection



Description

An LC type FAOC is a pre-polished and pre-assembled connector that holds a fiber in place and can be installed within 2 minutes using simple tools and can be recycled several times. It enables fast and on-site installation of 250/900µm, (2.0mm, 3.0mm and 1.6mm x 2.0mm, 2.0mm x 3.0mm) cable type connectors even when the user has no access to power.

General features

Quick and easy fiber termination, Available to re-use, High success rate of connection, Superior optical characteristic value, Simple assembly process, Easy identification of connectors type by frame colour - black boot for all type. Ferrule Type Ceramic Zirconia.

Standard Compliance and Approvals

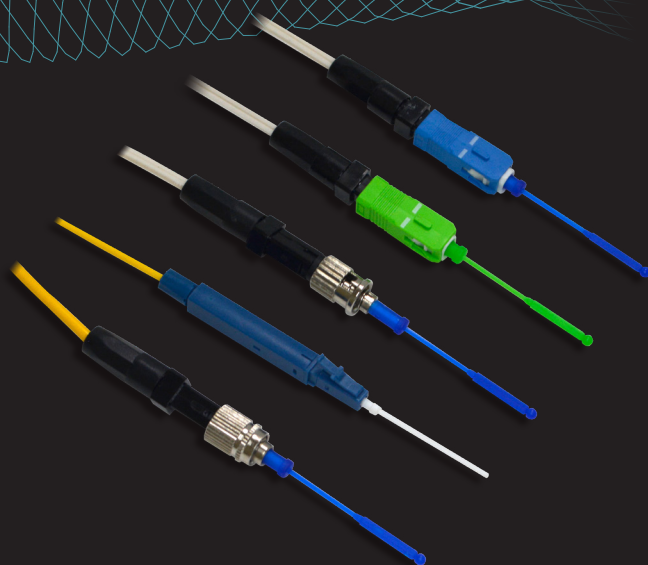
TIA / EIA 604-10 [LC]

LC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
131116-03	62,5/125 OM1	Plastic	250/900	Almond
131116-01	50/125 OM2	Plastic	250/900	Almond
131116-02	50/125 OM3/4	Plastic	250/900	Aqua
131116-00	9/125 OS2	Plastic	250/900	Blue
LC/APC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
Da creare	9/125 OS2	Plastic	250/900	Green
SC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
131115-03	62,5/125 OM1	Plastic	250/900	Almond
131115-01	50/125 OM2	Plastic	250/900	Almond
131115-02	50/125 OM3/4	Plastic	250/900	Aqua
131115-00	9/125 OS2	Plastic	250/900	Blue
SC/APC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
131115-06	9/125 OS2	Plastic		Green

Splice on Connectors by FiberFOX

Application

Field-installable, Splice-on Connector for fiber optics termination, FTTx and Data Center



Description

ORCA by Fox Splice-on Connector is quick, easy and reliable field assembly solution applying for all fiber network. As it is field installable, it eliminates excess cable in last mile field and ODF. And the most reliable connection method, splicing will guarantee you to have great connectivity & high stability. And Fox connector provides excellent compatibility with other brands of splicer. An engineer does not need to purchase additional splicer but can use any splicers you have in hand.

General features

Improved splice loss & return loss, Compatible some other brands of splicer, Saving cost (no maintenance, no excess cable in ODF), Termination in the field, Easy Assembly

Specific features

Enhanced tensile strength (exceeding 50N), No adhesive and crimping

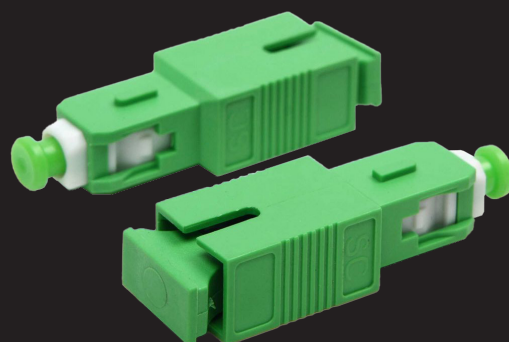
Standard Compliance and Approvals

IEC61754-4, KS C6974(F04), JIS C5973(F04), Compliant with Telcordia GR-326-core

LC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
OC-ACC-SOC-LCOS2-00	9/125 OS2 - G657.A1	Ceramic/Plastic	2,0 mm	Blue
OC-ACC-SOC-LCOS2-01	9/125 OS2 - G657.A1	Ceramic/Plastic	2,0 mm	Blue
OC-ACC-SOC-LCOS2-02	9/125 OS2 - G657.A1	Ceramic/Plastic	0,9 mm	Blue
OC-ACC-SOC-LCOM3-00	50/125 OM2/3	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-LCOM3-01	50/125 OM2/3	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-LCOM3-02	50/125 OM2/3	Ceramic/Plastic	0,9 mm	Almond
OC-ACC-SOC-LCOM4-00	50/125 OM4	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-LCOM4-01	50/125 OM4	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-LCOM4-02	50/125 OM4	Ceramic/Plastic	0,9 mm	Almond

SC SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
OC-ACC-SOC-SCOS2-00	9/125 OS2 - G657.A1	Ceramic/Plastic	2,0 mm	Blue
OC-ACC-SOC-SCOS2-01	9/125 OS2 - G657.A1	Ceramic/Plastic	2,0 mm	Blue
OC-ACC-SOC-SCOS2-02	9/125 OS2 - G657.A1	Ceramic/Plastic	0,9 mm	Blue
OC-ACC-SOC-SCOM3-00	50/125 OM2/3	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-SCOM3-01	50/125 OM2/3	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-SCOM3-02	50/125 OM2/3	Ceramic/Plastic	0,9 mm	Almond
OC-ACC-SOC-SCOM4-00	50/125 OM4	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-SCOM4-01	50/125 OM4	Ceramic/Plastic	2,0 mm	Almond
OC-ACC-SOC-SCOM4-02	50/125 OM4	Ceramic/Plastic	0,9 mm	Almond
ST SIMPLEX	FIBER TYPE	MATERIAL	BOOT	COLOUR
OC-ACC-SOC-STOS2-00	9/125 OS2 - G657.A1	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-STOS2-01	9/125 OS2 - G657.A1	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-STOS2-02	9/125 OS2 - G657.A1	Ceramic/Metal	0,9 mm	Metal
OC-ACC-SOC-STOM3-00	50/125 OM2/3	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-STOM3-01	50/125 OM2/3	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-STOM3-02	50/125 OM2/3	Ceramic/Metal	0,9 mm	Metal
OC-ACC-SOC-STOM4-00	50/125 OM4	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-STOM4-01	50/125 OM4	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-STOM4-02	50/125 OM4	Ceramic/Metal	0,9 mm	Metal
SC/APC SIMPLEX	FIBER TYPE	CERAMIC/PLASTIC	BOOT	COLOUR
OC-ACC-SOC-SCAPC-00	9/125 OS2 - G657.A1	Ceramic/Plastic	2,0 mm	Green
OC-ACC-SOC-SCAPC-01	9/125 OS2 - G657.A1	Ceramic/Plastic	2,0 mm	Green
OC-ACC-SOC-SCAPC-02	9/125 OS2 - G657.A1	Ceramic/Plastic	0,9 mm	Green
FC SIMPLEX	FIBER TYPE	CERAMIC/PLASTIC	BOOT	COLOUR
OC-ACC-SOC-FCOS2-00	9/125 OS2 - G657.A1	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-FCOS2-01	9/125 OS2 - G657.A1	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-FCOS2-02	9/125 OS2 - G657.A1	Ceramic/Metal	0,9 mm	Metal
OC-ACC-SOC-FCOM3-00	50/125 OM2/3	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-FCOM3-01	50/125 OM2/3	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-FCOM3-02	50/125 OM2/3	Ceramic/Metal	0,9 mm	Metal
OC-ACC-SOC-FCOM4-00	50/125 OM4	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-FCOM4-01	50/125 OM4	Ceramic/Metal	2,0 mm	Metal
OC-ACC-SOC-FCOM4-02	50/125 OM4	Ceramic/Metal	0,9 mm	Metal

Fiber Optic Attenuator



Application

Adapter (bulkhead) type female-male

Description

ORCA® fiber optic attenuators are designed and manufactured with an ISO9001 system. A complete line of optic fiber attenuator for any telecommunications application. Available in Multimode and Single-mode version. Available connector styles include SC, ST, LC and FC. Feature adapter with ceramic or metal sleeve. Most standard attenuators are in stock for immediately ship, special and bulk packages are available and we make quickly on request.

Specification

Plug-in-type, single channel

General features

Material: Plastic or metal body with ceramic ferrule

Stability: Wavelength attenuation stability

Durability: (Well over 100mw) Low back reflection and attenuation tolerances

Operating wavelength: 1200nm-1600nm or 1310nm,1550nm

Return loss: >50dB(SPC); >55dB(UPC)

Attenuation accuracy: $\pm 0,5$ (1dB-30dB) and $\pm 1,0$ (11dB-30dB)

Optional: Optic Fiber Attenuators are available in singlemode, multimode version on request only

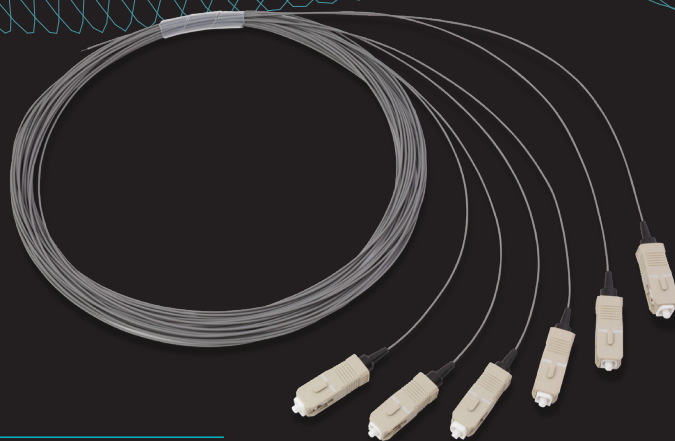
CODE	FIBERS	FOOTPRINTS	DESCRIPTION
150213-50	1	ST	ORCA - Fiber Optic Drawer unloaded ST 24p 1U with accessories
150113-50	1	SC	ORCA - Fiber Optic Drawer ST 24p 1U with 6 adapters MultiMode OM1/2
150313-50	1	LC	ORCA - Fiber Optic Drawer ST 24p 1U with 12 adapters MultiMode OM1/2
150513-50	1	FC	ORCA - Fiber Optic Drawer ST 24p 1U with 24 adapters MultiMode OM1/2
150613-50	1	SC/APC	ORCA - Fiber Optic Drawer ST 24p 1U with 6 adapters SingleMode OS2
150713-50	1	FC/APC	ORCA - Fiber Optic Drawer ST 24p 1U with 12 adapters SingleMode OS2

MultiMode Pigtail

62,5/125µm OM1

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 62,5/125µm OM1, MultiMode 50/125µm, OM2-OM3-OM4, and SingleMode 9/125µm OS2. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH

Standard Compliance and Approvals

IEC 60874-07, Bellcore/Telcordia GR-326(reduced), IEC60793-2-50 A1a, IEC60793-2-10 A1a, EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173, CECC, EIA/TIA 492AAAB, ITU-T G.651, RoHS 2002/95/EC



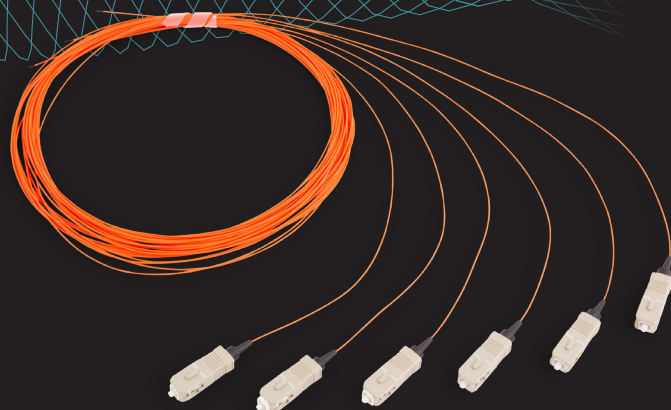
CODE	CONNECTOR	LENGHT (m)	PACKING
120102-02	SC	2	6 pz.
120202-02	ST	2	6 pz.
120302-02	LC	2	6 pz.
120502-02	FC	2	6 pz.
120412-F2	MTRJ/M	2	6 pz.
120412-M2	MTRJ/F	2	6 pz.

MultiMode Pigtail

50/125µm OM2

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 62,5/125µm OM1, MultiMode 50/125µm, OM2-OM3-OM4, and SingleMode 9/125µm OS2. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

General features

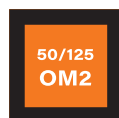
High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH

Standard Compliance and Approvals

IEC 60874-07, Bellcore/Telcordia GR-326(reduced), IEC60793-2-50 A1a, IEC60793-2-10 A1a, EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173, CECC, EIA/TIA 492AAAB, ITU-T G.651, RoHS 2002/95/EC



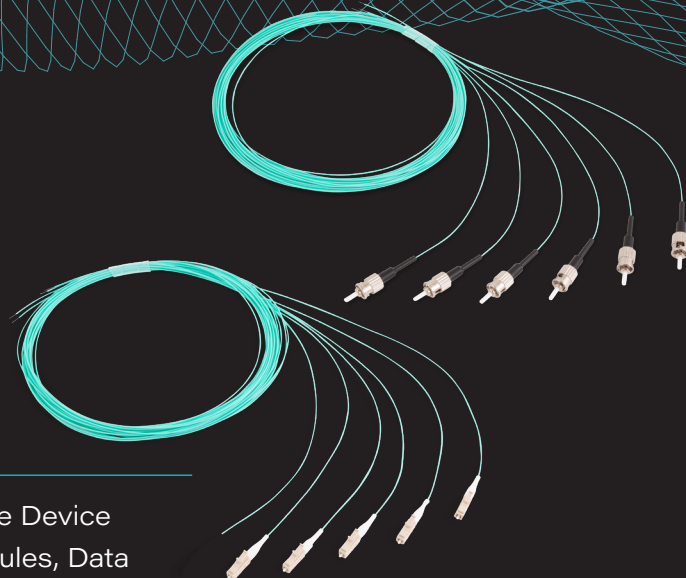
CODE	CONNECTOR	LENGHT (m)	PACKING
120101-02	SC	2	6 pz.
120201-02	ST	2	6 pz.
120301-02	LC	2	6 pz.
120501-02	FC	2	6 pz.
120411-F2	MTRJ/M	2	6 pz.
120411-M2	MTRJ/F	2	6 pz.

MultiMode Pigtail

50/125µm OM3 - OM4

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 62,5/125µm OM1, MultiMode 50/125µm, OM2-OM3-OM4, and SingleMode 9/125µm OS2. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

General features

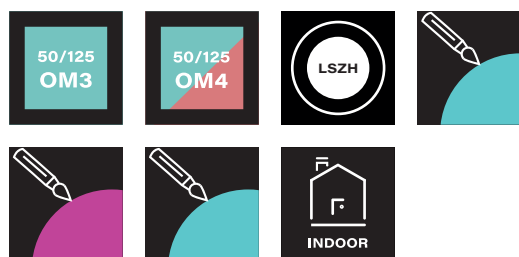
High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested

Specific features

ZrO₂ zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH

Standard Compliance and Approvals

IEC 60874-07, Bellcore/Telcordia GR-326(reduced), IEC60793-2-50 A1a, IEC60793-2-10 A1a, EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173, CECC, EIA/TIA 492AAAB, ITU-T G.651, RoHS 2002/95/EC



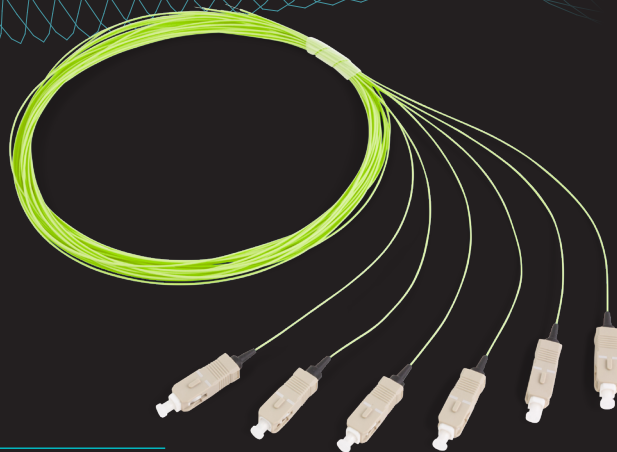
CONNECTOR	LENGHT (m)	PACKING	50/125µ OM3	50/125µ OM4
SC	2	6 pz.	120104-02	120105-02
ST	2	6 pz.	120204-02	120205-02
LC	2	6 pz.	120304-02	120305-02
FC	2	6 pz.	120504-02	120505-02
MTRJ/M	2	6 pz.	120414-F2	-
MTRJ/F	2	6 pz.	120414-M2	-

MultiMode Pigtail

50/125µm OM5

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors.

Available connector styles include SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested.

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH

Standard Compliance and Approvals

IEC 60874-20, CECC, Bellcore / Telcordia GR-326 (reduced), EIA/TIA 568, ISO/IEC 11801:2002 2nd Ed., EN 50173-1:2002, ITU-T G.651, IEC 60793-2-50 B1.1, IEC 60793-2-10 A1a, EIA/TIA 492AAAB. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC



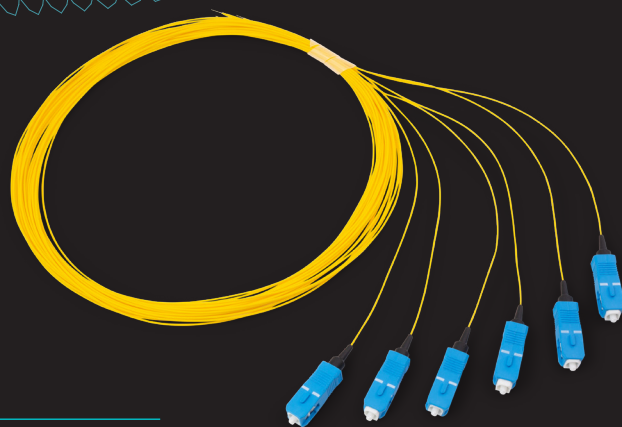
CODE	CONNECTOR	LENGHT (m)	PACKING
120116-02	SC	2	6 pz.
120216-02	ST	2	6 pz.
120316-02	LC	2	6 pz.
120516-02	FC	2	6 pz.

SingleMode Pigtail

9/125µm OS2

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 62,5/125µm OM1, MultiMode 50/125µm, OM2-OM3-OM4, and SingleMode 9/125µm OS2. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

Features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm

buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested.

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH

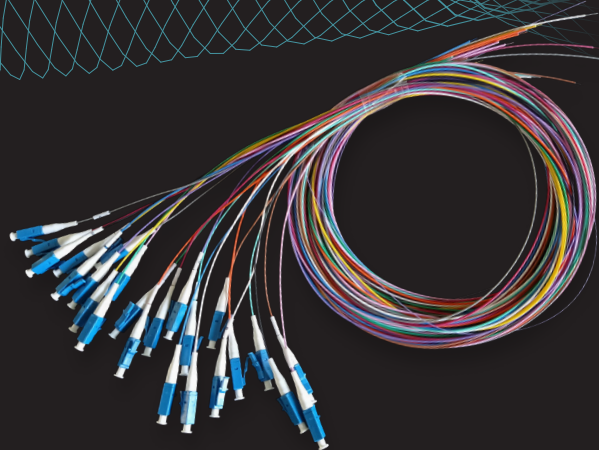
Standard Compliance and Approvals

IEC 60874-07, Bellcore/Telcordia GR-326(reduced), IEC60793-2-50 A1a, IEC60793-2-10 A1a, EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173, CECC, EIA/TIA 492AAAB, ITU-T G.651, RoHS 2002/95/EC



CODE	CONNECTOR	LENGHT (m)	PACKING
120103-02	SC	2	6 pz.
120203-02	ST	2	6 pz.
120303-02	LC	2	6 pz.
120503-02	FC	2	6 pz.
120413-F2	MTRJ/M	2	6 pz.
120413-M2	MTRJ/F	2	6 pz.
120728-02	SC/APC	2	6 pz.
120B28-02-temp	ST/APC	2	6 pz.
120A28-02-temp	LC/APC	2	6 pz.

MultiMode and SingleMode Pigtail Kit



Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical

Description

A complete line of cable assemblies for any telecommunications application. Manufactured using quality ORCA cable and connectors. Available in MultiMode 62,5/125µm OM1, MultiMode 50/125µm, OM2-OM3-OM4, and SingleMode 9/125 µm OS2. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules.

General features

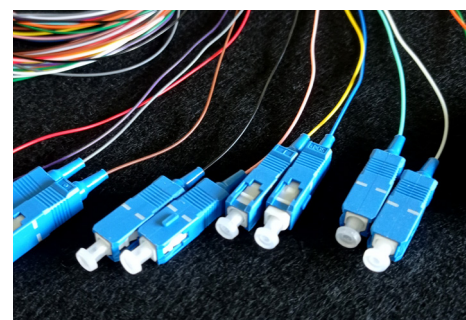
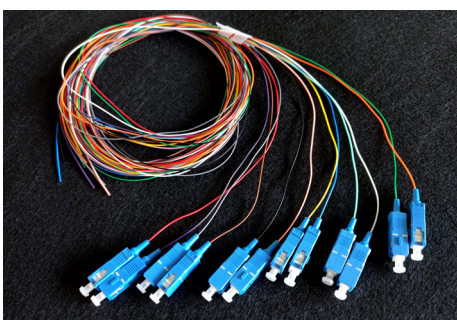
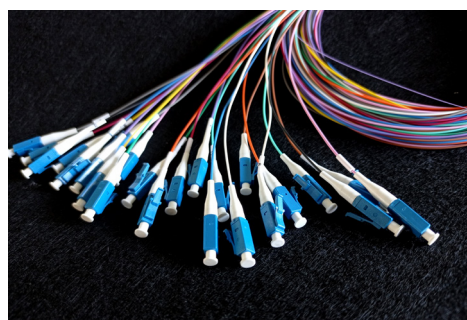
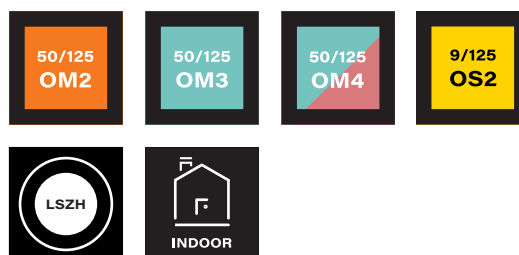
High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested

Specific features

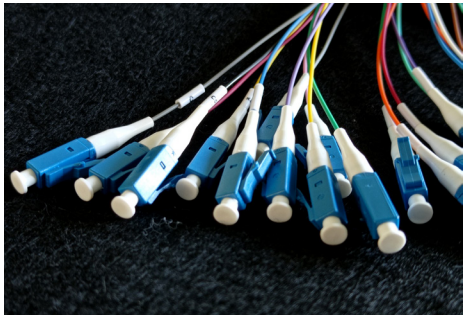
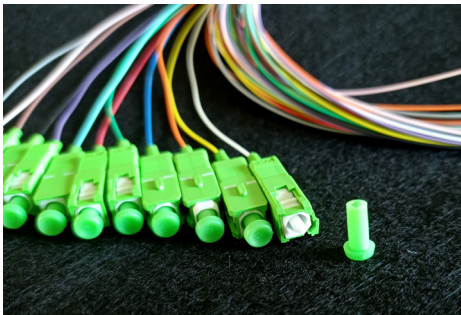
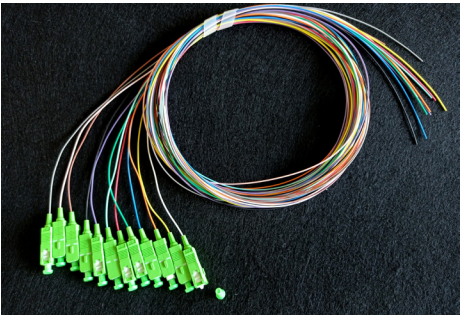
ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH

Standard Compliance and Approvals

IEC 60874-07, Bellcore/Telcordia GR-326(reduced), IEC60793-2-50 A1a, IEC60793-2-10 A1a, EIA/TIA 568, ISO/IEC 11801 2nd Ed., EN 50173, CECC, EIA/TIA 492AAAB, ITU-T G.651, RoHS 2002/95/EC



	LENGHT (m)	CONNECTOR	COLOUR	CODE
50/125µm OM2	2	SC	Kit 12 colours	120101-02-K12
	2	ST	Kit 12 colours	120201-02-K12
	2	LC	Kit 12 colours	120301-02-K12
50/125µm OM3	2	SC	Kit 12 colours	120104-02-K12
	2	ST	Kit 12 colours	120204-02-K12
	2	LC	Kit 12 colours	120304-02-K12
50/125µm OM4	2	SC	Kit 12 colours	120105-02-K12
	2	ST	Kit 12 colours	120205-02-K12
	2	LC	Kit 12 colours	120305-02-K12
9/125µm OS2	2	SC	Kit 12 colours	120103-02-K12
	2	ST	Kit 12 colours	120203-02-K1
	2	LC	Kit 12 colours	120303-02-K12
	2	SC/APC	Kit 12 colours	120728-12
	2	ST/APC	Kit 12 colours	120B28-12
	2	LC/APC	Kit 12 colours	120A28-12

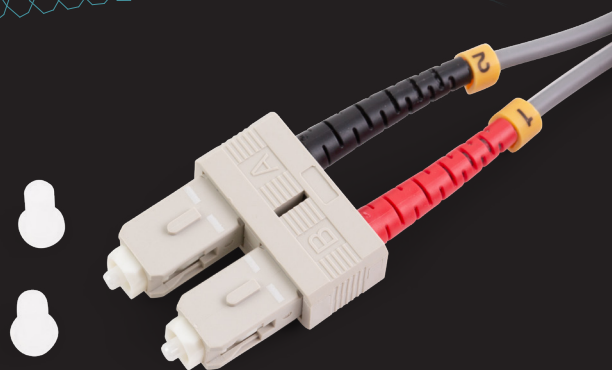


Optical Patch Cord

62,5/125µm OM1

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 µm, OM2/OM3/OM4, OM1 62,5/125 µm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configuration of connectors or length are available and quickly achievable on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



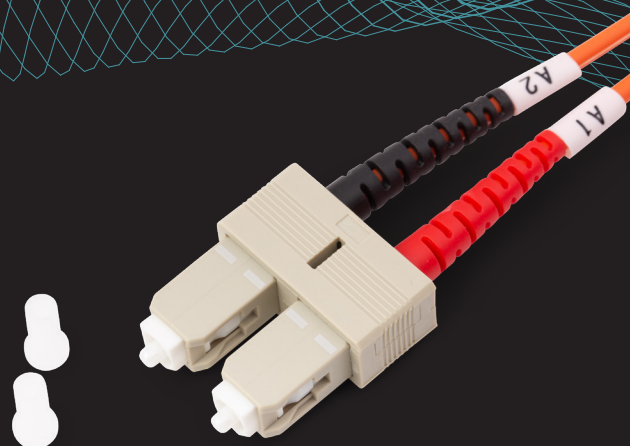
LENGHT (M)	SC-SC ●	SC-ST ●	LC-LC ●	LC-ST ●	LC-SC ●	ST-ST ●	FC-FC ●
1	121112-01	121212-01	123312-01	123212-01	123112-01	122212-01	125512-01
2	121112-02	121212-02	123312-02	123212-02	123112-02	122212-02	125512-02
3	121112-03	121212-03	123312-03	123212-03	123112-03	122212-03	125512-03
5	121112-05	121212-05	123312-05	123212-05	123112-05	122212-05	125512-05
10	121112-10	121212-10	123312-10	123212-10	123112-10	122212-10	125512-10

Optical Patch Cord

50/125µm OM2

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 µm, OM2/OM3/OM4, OM1 62,5/125 µm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configuration of connectors or length are available and quickly achievable on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



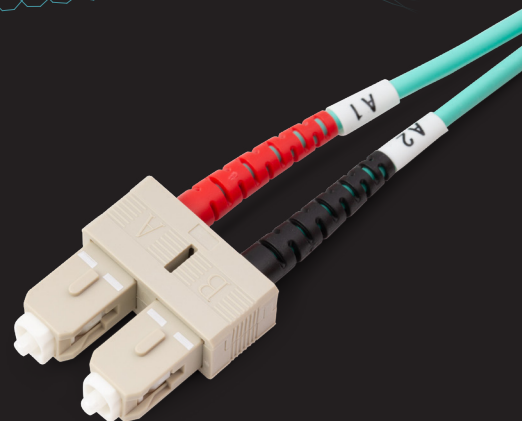
LENGHT (m)	SC-SC	SC-ST	LC-LC	LC-ST	LC-SC	ST-ST	FC-FC
1	121111-01	121211-01	123311-01	123211-01	123111-01	122211-01	125511-01
2	121111-02	121211-02	123311-02	123211-02	123111-02	122211-02	125511-02
3	121111-03	121211-03	123311-03	123211-03	123111-03	122211-03	125511-03
5	121111-05	121211-05	123311-05	123211-05	123111-05	122211-05	125511-05
10	121111-10	121211-10	123311-10	123211-10	123111-10	122211-10	125511-10

Optical Patch Cord

50/125µm OM3

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode (ATM), Industrial and Medical



Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 µm, OM2/OM3/OM4, OM1 62,5/125 µm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediate ship, special configuration of connectors or length are available and quickly achievable on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



LENGHT (m)	SC-SC	SC-ST	LC-LC	LC-ST	LC-SC	ST-ST	FC-FC
1	121114-01	121214-01	123314-01	123214-01	123114-01	122214-01	125514-01
2	121114-02	121214-02	123314-02	123214-02	123114-02	122214-02	125514-02
3	121114-03	121214-03	123314-03	123214-03	123114-03	122214-03	125514-03
5	121114-05	121214-05	123314-05	123214-05	123114-05	122214-05	125514-05
10	121114-10	121214-10	123314-10	123214-10	123114-10	122214-10	125514-10

Optical Patch Cord

50/125µm OM4

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical

Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested.

Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 µm, OM2/OM3/OM4, OM1 62,5/125 µm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configuration of connectors or length are available and quickly achievable on request.

General features

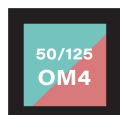
High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



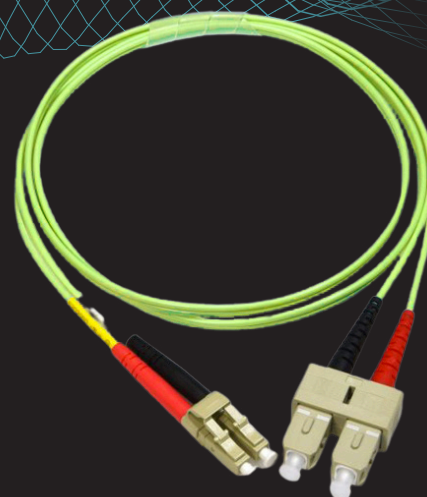
LENGTH (m)	SC-SC	SC-ST	LC-LC	LC-ST	LC-SC	ST-ST	FC-FC
1	121115-01	121215-01	123315-01	123215-01	123115-01	122215-01	125515-01
2	121115-02	121215-02	123315-02	123215-02	123115-02	122215-02	125515-02
3	121115-03	121215-03	123315-03	123215-03	123115-03	122215-03	125515-03
5	121115-05	121215-05	123315-05	123215-05	123115-05	122215-05	125515-05
10	121115-10	121215-10	123315-10	123215-10	123115-10	122215-10	125515-10

Optical Patch Cord

50/125µm OM5

Application

Hi-quality Multimedia, Telecommunication Networks, Active Device Termination, 400 Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Hi-Speed Optical Switch Interframe Connection, Datacenter, Industrial and Medical.



Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available connector styles include SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediate ship, special configuration of connectors or length are available and quickly archivable on request.

General features

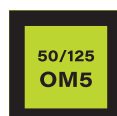
High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO₂ zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

ISO/IEC 11801, EN 50173, EIA/TIA 568, IEEE 802, IEC 61754-2, IEC 60874-10, IEC 61754-20, EIA/ TIA 604-10, ANSI/ICEA-596, IEC 60793, IEC 60794, EIA/TIA IEC 60331, IEC 60332, ITU-T G.651, Bellcore/Telcordia GR-409-CORE. All components are RoHS compliant and do not and will not contain any restricted hazardous substances as detailed in RoHS 2002/95/EC



LENGHT (m)	SC-SC ●	LC-LC ●	LC-SC ●
1	121116-01	123316-01	123116-01
2	121116-02	123316-02	123116-02
3	121116-03	123316-03	123116-03
5	121116-05	123316-05	123116-05
10	121116-10	123316-10	123116-10

Optical Patch Cord

9/125µm OS2

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested.

Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 µm, OM2/OM3/OM4, OM1 62,5/125 µm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configuration of connectors or length are available and quickly achievable on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900µm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



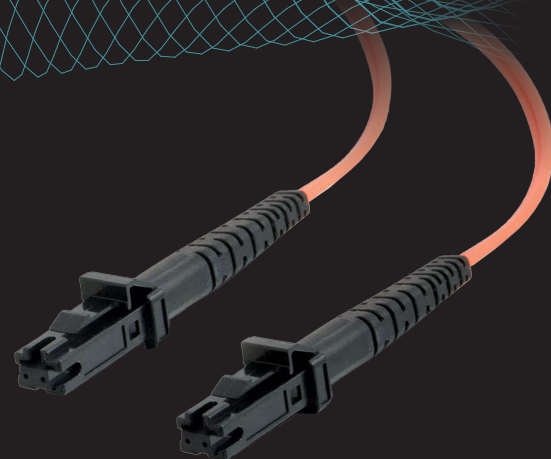
LENGTH (m)	SC-SC ●	SC-ST ●	LC-LC ●	LC-ST ●	LC-SC ●	ST-ST ●	FC-FC ●
1	121113-01	121213-01	123313-01	123213-01	123113-01	122213-01	125513-01
2	121113-02	121213-02	123313-02	123213-02	123113-02	122213-02	125513-02
3	121113-03	121213-03	123313-03	123213-03	123113-03	122213-03	125513-03
5	121113-05	121213-05	123313-05	123213-05	123113-05	122213-05	125513-05
10	121113-10	121213-10	123313-10	123213-10	123113-10	122213-10	125513-10

Optical Patch Cord

MTRJ Variation

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 μm , OM2/OM3/OM4, OM1 62,5/125 μm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configuration of connectors or length are available and quickly achievable on request.

General features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900 μm buffered fiber assemblies, Duplex (or simplex on request)

Specific features

ZrO₂ zirconia - 125 μm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



	LENGHT (m)	MTRJ-MTRJ	MTRJ-ST	MTRJ-SC	MTRJ-LC
62,5/125µm OM1	1	124412-01	124212-01	124112-01	124312-01
	2	124412-02	124212-02	124112-02	124312-02
	3	124412-03	124212-03	124112-03	124312-03
	5	124412-05	124212-05	124112-05	124312-05
	10	124412-10	124212-10	124112-10	124312-10
50/125µm OM2	1	124411-01	124211-01	124111-01	124311-01
	2	124411-02	124211-02	124111-02	124311-02
	3	124411-03	124211-03	124111-03	124311-03
	5	124411-05	124211-05	124111-05	124311-05
	10	124411-10	124211-10	124111-10	124311-10
50/125µm OM3	1	124414-01	124214-01	124114-01	124314-01
	2	124414-02	124214-02	124114-02	124314-02
	3	124414-03	124214-03	124114-03	124314-03
	5	124414-05	124214-05	124114-05	124314-05
	10	124414-10	124214-10	124114-10	124314-10
50/125µm OM4	1	124414-01	124214-01	124114-01	124314-01
	2	124414-02	124214-02	124114-02	124314-02
	3	124414-03	124214-03	124114-03	124314-03
	5	124414-05	124214-05	124114-05	124314-05
	10	124414-10	124214-10	124114-10	124314-10
9/125µm OS2	1	124413-01	124213-01	124113-01	124313-01
	2	124413-02	124213-02	124113-02	124313-02
	3	124413-03	124213-03	124113-03	124313-03
	5	124413-05	124213-05	124113-05	124313-05
	10	124413-10	124213-10	124113-10	124313-10

Armored Patch Cord

Application

CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial, Military and Medical

Description

ORCA® patch cords are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each patch cord is factory-terminated and tested. Manufactured using quality ORCA cable and connectors. Available in MultiMode 50/125 µm, OM2/OM3/OM4, OM1 62,5/125 µm and OS2 9/125.

Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configuration of connectors or length are available and quickly achievable on request."

General features

Manufactured by armoured optical cable, flexible metal tube protect the fiber optic, High press resistant strength, stamp resistant and anti bite of rat and ant, Small diameter, bend resistant 25mm radius and optimum flexible, Aramid yarn reinforced optical cable has superior elongate resistant, and secured and reliable when connect it with fiber optic connector, Can put directly at various environment indoor, no need for using protection conduct, and convenient for network operation and maintenance. Duplex (or simplex on request).

Specific features

ZrO2 zirconia - 125µm Ceramic Ferrule Technology, semi-tight cable constructions, 900µm buffered fiber assemblies, 3,2 mm armored zipcord sheath LSZH, Crusch Res. 3000N/10cm, tensile strength 200N

Standard Compliance and Approvals

TIE/EIA 568-A Compliant, Telcordia GR-326-CORE



	LENGHT (m)	SC-SC	LC-LC
62,5/125µm OM1	1	181112-01	183312-01
	2	181112-02	183312-03
	3	181112-03	183312-03
	5	181112-05	183312-05
	10	181112-10	183312-10
50/125µm OM2	1	181111-01	183311-01
	2	181111-02	183311-02
	3	181111-03	183311-03
	5	181111-05	183311-05
	10	181111-10	183311-10
50/125µm OM3	1	181114-01	183314-01
	2	181114-02	183314-02
	3	181114-03	183314-03
	5	181114-05	183314-05
	10	181114-10	183314-10
50/125µm OM4	1	181115-01	183315-01
	2	181115-02	183315-02
	3	181115-03	183315-03
	5	181115-05	183315-05
	10	181115-10	183315-10
9/125µm OS2	1	181113-01	183313-01
	2	181113-02	183313-02
	3	181113-03	183313-03
	5	181113-05	183313-05
	10	181113-10	183313-10

Cable Stripper and Cutter



Application






These new fiber optic strippers are made with a number of models available to cover a range of fiber optic stripping applications.

Description

Ergonomic design made to limit human error and prevents damage on the optical fibers.
Preset factory settings so no adjustments are required.

General features

Made of high quality carbon steel and the blades are treated with procedures for guarantee higher durability and longer life.
Ergonomic handle for greater comfort.
Ready for strips fiber jacket, various measure buffer coating.

CODE	DESCRIPTION	
160008-00	ORCA – Miller fiber stripper 250um and 900um jacket	
160011-01	ORCA – IDEAL buffer tube stripper (removes up to 3.5mm)	
160012-00	ORCA – IDEAL Replacement blades for buffer tube stripper (3 pz.)	
160011-00	ORCA – IDEAL buffer tube stripper (removes up to 5,5mm)	
160012-00	ORCA – IDEAL Replacement blades for buffer tube stripper (3 pz.)	
160009-00	ORCA - Miller Fiber stripper 3mm, 250um and 900um jacket	
160022-00	ORCA - 70mm cable cutter	

Fiber Optic Cleaning



Application

Eliminate the #1 cause of fiber link failure: contamination

Description

ORCA® offer a large numbers of cleaning accessories for the fibers optic works. Most tools can also be purchased separately.

Specification

Specially-designed fiber solvent

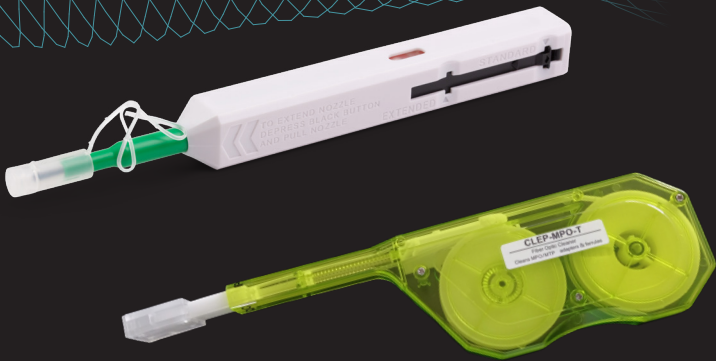
General features

Use: for use with wet or dry wipes

Composition: isopropyl alcohol or water based

CODE	DESCRIPTION
150010-00	ORCA – Fiber Optic Cleaning fluid (0,5l)
150010-02	ORCA - Fiber Optic Cleaning fluid water based (spray bottle 100 ml)
150010-01	ORCA - Dispenser automatico per detergente 100ml

Fiber Optic Cleaner Pen



Application

Telecom Central offices; Data centers; Cable television head end; Outside plant and fiber to the home; Fiber optic broadcasting including HDTV; Fiber optic military and civilian aviation; Military and civilian maritime optical networks; Fiber optic satellite communication systems; Fiber to the antenna for WiMax and Cellular Networks.

Description

ORCA® Fiber Optic Cleaner Pen are designed to specially work well with the female connectors. This instrument cleans the ferrule end faces removing dust, oil, and other debris without nicking or scratching the end face. Simple pushing motion to engage tool. Audible CLICK to alert the operator when tool is full engaged. Dry cleaning stand eliminates the need for solvents to be effective.

Specification

Suitable for LC/MU and FC/SC/ST/E2000 Male & Female (UPC/APC)

General features

Material: ABS
Size: 185x25x25mm -
Weight: 44g/pc
Cleaning Times: over 800

Compliance

Compliant with EU/95/2002/EC Directive (RoHS)

CODE	DESCRIPTION
150016-01	ORCA - One-Click cleaner Pen for connector: LC 1.25mm
150016-00	ORCA - One-Click cleaner Pen for connector: SC/FC/ST/E2000 da 2.5mm
150016-02	ORCA - One-Click cleaner Pen for MPO/MTP connector

VFL - Visual Fault Locator



Application

ORCA® offer a wide range of products to cut, strip, clean end crimp the optic fibers cable. All you need to prepare and work with optic fibers. All tools are purchased separately.

Description

ORCA Fault Locator are designed for either single mode or multimode use. These pocket-sized units allow you to visually locate micro-bends, fiber breaks, and other sources of optical attenuation in fiber patch cords, patch panels, and enclosures. A bright 650nm laser source makes fault detection fast and easy. Available with universal adapters which accept either 2.5mm or 1.25mm ferrules and operate on 2AA size batteries.

General features

Visible: 650nm \pm 5nm Laser 11a (<5mW)

Fiber-coupled output: 0dBm typical, -3.5dBm minimum (single mode fiber)

Approx. Range: 6-7km (single mode), 4-5km (multimode)

Small pocket size design dimensions: 18 long x 2,5cm diameter

Light source: Continuous or Modulated Light Source

Use: Singlemode or Multimode Use

Adapter: 2.5mm or 1.25mm Ferrule Adapter

Operating temperature: -10degree to 50degree

Battery: (2)AA - Life: 30hrs continuous, 40hrs modulated

CODE

DESCRIPTION

160006-01

ORCA – Laser Fault Locator

Kevlar Cutter



Application




These new Kevlar cutter are made with a number of models available to cover a range applications.

Description

Appropriately designed to cut Kevlar®, glass fiber, cabling insulation sheath, insulation and shield tape, cable ties and other material.

General features

Adjustable joint screw. Sharp and durable. A finely serrated blade for a better grip.
Ergonomic handle for greater comfort in use.

CODE	DESCRIPTION	
160014-00	ORCA – MILLER Professional Kevlar Cutter	
166615-00	ORCA – Professional Kevlar Cutter steel carbon	
160016-00	ORCA – Miller Kevlar Cutter	

Microscope for Fiber Optic Inspection



Application

Reveals Scratches, Defects and Contamination

Description

ORCA® high quality, low cost, Fiber Optic Hand Held Microscopes offer you a choice of 100X, 200X or 400X magnification. These Fiber Optic Microscopes utilize white LED light to provide you with bright, coaxial illumination of your fiber optic connector end-faces. This method of illumination enables you to see, in high-resolution detail, any scratches, defects or contamination you may have on your fiber optic endface surfaces. Three "AAA" batteries provide you with more than 40 hours of use before battery replacement is required. Your Fiber Optic Hand Held Microscope comes with a universal 2.5mm adapter, with other fiber optic connector styles available. The size of these handy, very compact Fiber Optic Microscopes is just 8.76" L x 2.16" H.

Specification

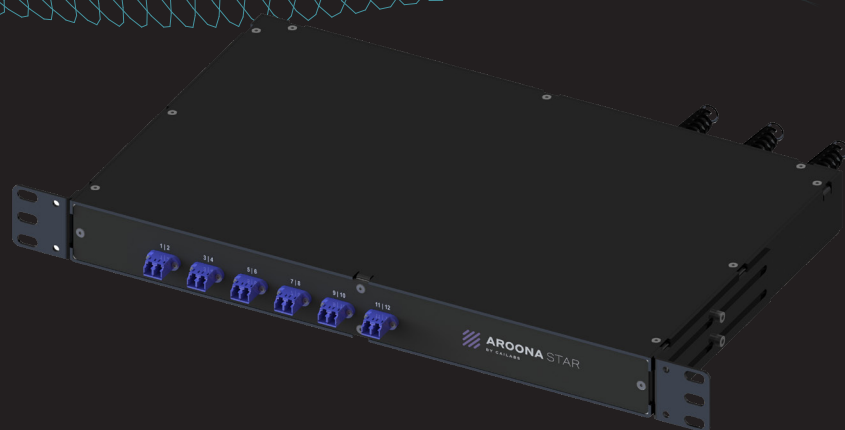
Universal ST, FC, SC

General features

100X
High Quality - Low Cost
White LED Light Provides Coaxial Illumination
40 Hours Battery Life
Size: 210x55mm c.ca
Soft bag included

CODE	DESCRIPTION
160001-00	ORCA - 100X Microscope - Eco - Universal ST, FC, SC
160002-00	ORCA - 200X Microscope - Professional - Universal ST, FC, SC
160003-00	ORCA - 400X Microscope - Professional - Universal ST, FC, SC
160004-00	ORCA - LC adapter for professional Microscope

Aroona Star



Application

A simple box to increase network bandwidth without replacing existing cabling infrastructure

AROONA STAR
BY CAILABS

Characteristic

Increased multimode fiber transmission capacity and compatibility with standard equipment:

- From 1 Gb/s to 100 Gb/s on multimode fibers over up to several kilometers
- Compatible with OM1 to OM5 fibers (62.5 or 50/125 μ m)
- Compatible with standard duplex or bidirectional single-mode transceivers
- Wavelength Division Multiplexing (WDM) compatibility for flexible scalability of transmission capacity

Quick and easy to install:

- Simplified audit and deployment, without the need for recabling
- Solution operational after a simple fiber fusion splice
- Passive equipment: no power supply or electronics needed
- Short-term service interruption (average of 1 hour per link)
- Non-intrusive intervention on patch panels only
- Impact on site activity minimized
- Zero configuration, zero maintenance

The Aroona-Star solution is available in two different formats, depending on the number of multimode fibers to be upgraded and the available space in the existing infrastructure:

- **19" 1U rack** inserted into the network cabinet for the 4, 8, 12 or 24 fiber version
- **Compact module** inserted into the existing patch panel for the 2-fiber version

Dimensions

Rack 19" 1U

H 43 mm x L 480 mm x P 250 mm
4m-long MMF on rear panel



Compact module

H 5 mm x L 100 mm x P 12 mm





SPECIFICATIONS

Reach	<800 m with device installed at one link end only <10 km with device installed at both linkends
Fiber type	Exists in 62.5/125 μm {OM1} or 50/125 μm (OM2/OM3/OM4/OM5)
Number of fibers	Exists in 2/4/8/12/24 fiber versions
Device insertion losses	<2 dB {typical: 1.5 dB}
System capacity	From 1 to 100 Gb/s* {typically: 10 Gb/s} Independent throughput on each fiber
Wavelength	[1250 nm - 1600 nm]
Transceiver compatibility	Duplex or bidirectional single-mode transceiver (1000BASE-LX, 10GBASE-LR/ER/ZR, 25GBASE-LR/ER, 40GBASE-LR4/ER4, 100GBASE-LR4/CWDM4, etc.) Passive device transparent to communication protocol
Packaging and connectors	19" 1U rack for 4/8/12/24 fiber versions. LC/UPC connector on the front panel of the 19" rack and unconnectorized multimode fiber on the rear panel to be spliced Compact module for 2 fiber version. ST/SC/LC-UPC connector on the single-mode side. Unconnectorized multi mode fiber to be spliced
Operating temperature	-40° C to +70°C {ETSI EN 300 019-1-3 class 3.4}
Transportation tolerance	ETSI EN 300 019-1-2 class 2.3



Mini 5C+

FiberFox



Application

The Most Complete Fusion Splicer Kit
Core Alignment Splicer with Digital Zoom



Characteristic

Splice time:	6 sec
Electrode Lifespan:	5,500 arcs
Universal Holder:	250, 900µm 2~3 Indoor
Injection:	LED Injection
Full Touch Screen:	HD 720p LED Display Tempered Glass Graphic User Interface
Battery:	5200mAh Li-ion battery 2EA in package
Splicing Connector:	SC, LC, FC, ST
Removable Holder:	250 & 900µm
Boost Heating System:	Fast heating SOC Connectivity ↑

Standar package

The standard package includes:

- Mini5C+ Splicer
- Cleaver Softcase
- Mini50GB+ Cleaver
- Power Cord
- USB Cable
- AC Adapter
- Car Cigar Cable
- Cooling Tray
- Spare Electrode
- SOC Heater Block
- SOC Holder
- 2 Battery Packs
- Shoulder Strap
- User Manual CD
- Hand Carrying Case

Splicing Loss

Stable splicing loss under any environment:

- Elevation 0-5000 meter
- The max wind speed 15m/s
- Temperature -20~60°C
- relative humidity 0~95%

Technical detail

- Digital core image detecting
- Clad detecting
- Digital zoom
- Core detecting
- Fixed lens
- Anti-shock
- Waterproof
- Dustproof



SPECIFICATIONS

Splicing Method	Core Alignment. DCID (Digitalized Core Image Detecting) System
Average Loss	SM(0.02dB) / MM(0.01dB) / DS(0.04dB) / NZDS(0.04dB) / G.657(0.02dB)
Return Loss	>>60dB
Splice Time	SM Quick mode : 6 sec. / SM Average : 8 sec.
Electrode Lifespan	>5,500 arcs
Applicable Fiber	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655) / IT-G657A / IT-G657B, 0.25mm, 0.9mm, 2.0mm, 2.4mm, 3.0mm, FLAT(Indoor cable)
Cleaved Length	Coating Diameter<0.25mm=5-16mm, Coating Diameter>0.25mm=8-16mm minimum
Coating Diameter	100 ~ 3,000um
Cladding Diameter	80-150um
Heating Programs	Factory installed mode : 4, User installable mode : 32
Heating Time	Typical: 10 sec. (60mm sleeve) / 5 sec. (Micro sleeve: 60mm cutting diameter 250um)
Protection Sleeve	40mm, 60mm, SOC Connector
Data Output	USB 2.0
Splice Programs	Factory installed mode: 17, User installable mode: 128
Splice Memory	Up to 10,000 records and 2,000 splice images
Illumination	LED emitting white light
Battery	Li-ion, 5200mAh Typical 220 Cycles(Splice & Heat) / single battery (2 Batteries in package)
Power Supply	AC 100-240V input or DC 12.6V 1.8A
Monitor	4.3"LED, 720p HD color monitor / Full Touch Screen (Tempered Glass)
Cameras	2 CCD camera system
Magnification	XY style : 160 power, X/Y : 320 power
Weight	1.42kg (without battery)
Size	124mm X 123mm X 138mm
Wind Protection	The max wind speed 15m/s
Operating Environment	Elevation 0-5,000 meter, -10~50°C, 0~95% relative humidity
Storage Condition	Temperature -20 to 60°C, 0~95% relative humidity, battery -20~40°C
Pull Test	1.96~2.25N (standard)
Attenuation Splicing	Range : 0.1dB ~ 20dBd (0.1dB step)



Mini 6S+

Wifi

FiberFox



Application

The Smallest and Most Rugged Core Alignment Splicer.
Core Alignment Fusion Splicer with 6 motors



Characteristic

Splice time:	6 sec
Electrode Lifespan:	5,500 arcs
Universal Holder:	250, 900µm 2~3 Indoor
Injection:	LED Injection
Full Touch Screen:	HD 720p LED Display Tempered Glass Graphic User Interface
Battery:	5200mAh Li-ion battery 2EA in package
Splicing Connector:	SC, LC, FC, ST
Removable Holder:	250 & 900µm
Boost Heating System:	Fast heating SOC Connectivity ↑

Standar package

The standard package includes:

- Mini5C+ Splicer
- Cleaver Softcase
- Mini50GB+ Cleaver
- Power Cord
- USB Cable
- AC Adapter
- Car Cigar Cable
- Cooling Tray
- Spare Electrode
- SOC Heater Block
- SOC Holder
- 2 Battery Packs
- Shoulder Strap
- User Manual CD
- Hand Carrying Case

Splicing Loss

Stable splicing loss under any environment:

- Elevation 0-5000 meter
- The max wind speed 15m/s
- Temperature -20~60°C
- relative humidity 0~95%

Technical detail

- Digital core image detecting
- Clad detecting
- Digital zoom
- Core detecting
- Fixed lens
- Anti-shock
- Waterproof
- Dustproof



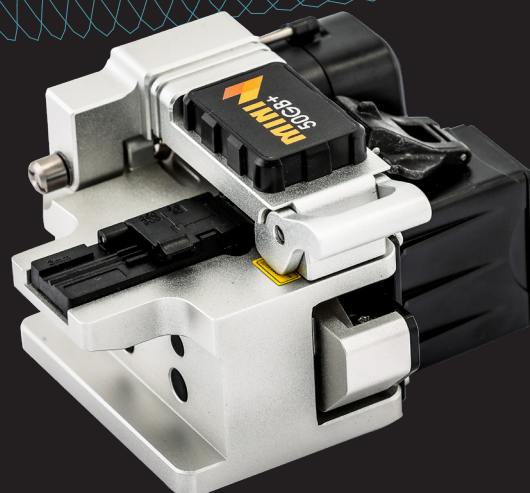
SPECIFICATIONS

Splicing Method	Core Alignment. DCID (Digitalized Core Image Detecting) System
Average Loss	SM(0.02dB) / MM(0.01dB) / DS(0.04dB) / NZDS(0.04dB) / G.657(0.02dB)
Return Loss	>>60dB
Splice Time	SM Quick mode : 6 sec. / SM Average : 8 sec.
Electrode Lifespan	>5,500 arcs
Applicable Fiber	SM(ITU-T G.652&G.657) / MM(ITU-T G.651) / DS(ITU-T G.653) / NZDS(ITU-T G.655) / IT-G.657A / IT-G.657B, 0.25mm, 0.9mm, 2.0mm, 2.4mm, 3.0mm, FLAT(Indoor cable)
Cleaved Length	Coating Diameter<0.25mm=5-16mm, Coating Diameter>0.25mm=8-16mm minimum
Coating Diameter	100 ~ 3,000um
Cladding Diameter	80-150um
Heating Programs	Factory installed mode : 4, User installable mode : 32
Heating Time	Typical: 10 sec. (60mm sleeve) / 5 sec. (Micro sleeve: 60mm cutting diameter 250um)
Protection Sleeve	40mm, 60mm, SOC Connector
Data Output	USB 2.0
Splice Programs	Factory installed mode: 17, User installable mode: 128
Splice Memory	Up to 10,000 records and 2,000 splice images
Illumination	LED emitting white light
Battery	Li-ion, 5200mAh Typical 220 Cycles(Splice & Heat) / single battery (2 Batteries in package)
Power Supply	AC 100-240V input or DC 12.6V 1.8A
Monitor	4.3"LED, 720p HD color monitor / Full Touch Screen (Tempered Glass)
Cameras	2 CCD camera system
Magnification	XY style : 160 power, X/Y : 320 power
Weight	1.42kg (without battery)
Size	124mm X 123mm X 138mm
Wind Protection	The max wind speed 15m/s
Operating Environment	Elevation 0-5,000 meter, -10~50°C, 0~95% relative humidity
Storage Condition	Temperature -20 to 60°C, 0~95% relative humidity, battery -20~40°C
Pull Test	1.96~2.25N (standard)
Attenuation Splicing	Range : 0.1dB ~ 20dBd (0.1dB step)



Mini 50GB+

FiberFox



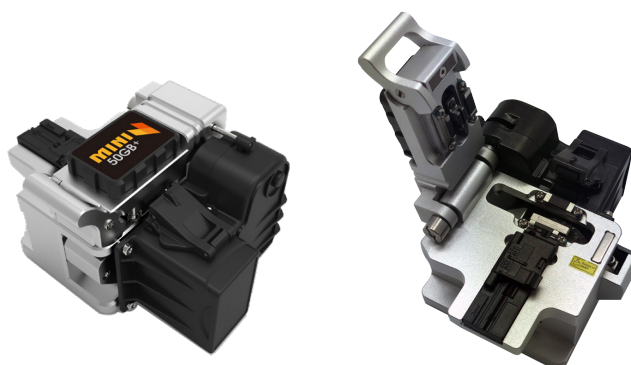
Application

FiberFox Innovative Fiber Cable Cleaver delivers portability and great performance



Characteristic

Performance:	90°
Universal Holder:	250μ / 900μ / 2-3 Ø / Indoor
Blade Life-Span:	≤ 0.5° : 48,000
Other features:	Robust & shock resistant Chip collector (50GB+)



SPECIFICATIONS

Type	Single Fiber
Applicable Fiber	250um, 900um, Φ2mm, Φ3mm, Drop Cable
Clad Diameter	80~125um
Length	8~20mm / 0.31in~0.78in (single fiber)
Cleaving Angle	≤ 0.5°
Lifespan of Blade	50,000 times
Operation Step	2 steps / Auto Pushback Slider Block
Holder	Universal Holder
Collector	Auto Collector (50GB)
Weight	0.52lbs.

Mini 60A

FiberFox

Application

FiberFox's one-click operation cleaver that suits all installers, regardless of experience.



Characteristic

- Performance 90°
- Multi-functional holder: Removable / Universal
- One-click operation
- Easy blade rotating
- Long life-span
- Digital counter
- Auto chip collector



SPECIFICATIONS

Type	Single & ribbon fiber cleaver
Operation method	One click cleaving
Weight / Dimension	265g 105*108*56mm (with Auto chip collector), 105*90*56mm (with trash bin)
Cladding Diameter	80~125um
Cleaving Length	Single Fiber:10~20mm / Ribbon fiber: 10mm
Applicable Fiber	Single Fiber: 250um, 900um, 3.0mm fiber cable and indoor cable Ribbon fiber: 2 to 12 ribbon fiber cable
Average Cleaving Angle	Single Fiber: 0.3°~0.9° (Ave.0.5°) / Ribbon Fiber: 0.3°~ 1.2° (Ave.0.5°)
Typical Blade Life Span	60,000 times
Holder	Single: Screw lock type_Universal(0.25~3.0mm) Ribbon: Magnetic detachable type_Individual (2,4,6,8, 12CH)

Mini 3S

FiberFox



Application

Active alignment splicer



Characteristic

Heating time:	18 sec
Battery:	3000mAh is included -200 cycles (splicing & heating)
Splice time:	8 sec
Electrode lifespan:	3,500 arcs
Screen:	Full touch screen - GUI interface - Tempered glass
Injection:	LED injection

Standar package

The standard package includes:

- Mini5C+ Splicer
- Cleaver Softcase
- Mini50GB+ Cleaver
- Power Cord
- USB Cable
- AC Adapter
- Car Cigar Cable
- Cooling Tray
- Spare Electrode
- SOC Heater Block
- SOC Holder
- 2 Battery Packs
- Shoulder Strap
- User Manual CD
- Hand Carrying Case

Technical detail

- Waterproof
- Antishock
- Dustproof

Perfect performance under any environmental conditions:

- Temperature -15~60
- Relative humidity 0~95%
- Elevation 0~5000 meters
- Max wind speed 15m/s
- Compliant with IEC Standard



SPECIFICATIONS

Splicing	Method	Active Alignment (DAA: Digitalized Active Alignment)
	Loss	SM(0.03dB) / MM(0.02dB) / OS(0.05dB) / NZOS(0.05dB), RL: >>60dB
	Time	SM Mode : B Sec.
	Mode	139 modes (Pre-set: 11 / User set-up: 128)
	Attenuation	Available rage : 0.1 - 20dB
Applicable fiber (cable)	Fiber Type	SM (ITU-T G.652 & G.657) MM (ITU-T G.651) DS (ITU-T G.653) NZOS (ITU-T G.655)
	Coating Diameter	100-3,000um
	Cladding Diameter	80-150um
	Cleaved Length	<250Um Coating : 5-16mm >250Um Coating : 8-16mm
Heating	Time	Ave. 18 Sec.
	Mode	37 modes (Pre-set: 5 / User set-up: 32)
	Applicable Sleeve	20 - 60mm
Hardware	Connectivity (link to PC)	USB(5Pin Mini-B)
	Electrode Life span	3,500 arcs
	Data Storage	Splice record : 10,000 / Image : 2,000
	Fiber detecting	Dual CCD camera with LED emitting system
	Illumination	LEO Spot light
	Display	Color 4.3" LCD monitor, with Touch Screen (Tempered Glass)
	Battery	Li-ion 11.1V 3000mAh 200 cycles (Splicing & Heating) Storage Temperature : -20-40 C
	Power Supply	AC 100-240V input or DC 12.6V 1.BA
	Fiber Display	X/Y (Single image) : 260x
	Weight	1.1 kg (with battery, 1.3kg)
	Size	123 x 114 x 126mm (L x W x H)
Reiability	Wind Protection	Wind speed: 15m/s (max)
	Operating Environment	Altitude: 0-5,000m Temperature: -10-50°C Humidity: 0-95%RH
	Storage Condition	Temperature: -20 to 60°C Humidity: 0-95%RH
	Pull Test	1.96-2.25N(standard)





Rack Cabinets

18 SERVER RACKS

18 FLOOR RACKS

20 WALL RACKS

22 ACCESSORIES

Rack cabinet solutions

The right choice for a wide range of applications

The ORCA range consists of different types of rack, wall, floor, server and video surveillance cabinets.

The construction of the ORCA solution guarantees correct management of the wiring inside the cabinet, being equipped with a series of accessories that facilitate the organization of the components in the cabinet.

Industrial Switch Solution, Media Converters and PDUs (Power Distribution Units).

Supporting the infrastructural solutions, ORCA provides its partners with a series of solutions and components that allow the completion of the installation in the cabinet. Industrial switches, media converters and PDUs are provided in different types and performances to facilitate and ensure the correct transmission of data and the functioning of the infrastructure.



Floor standing server rack

Application

The Orca floor and wall cabinets are designed and manufactured in compliance with quality and safety standards, optimal solutions for the management and organization of structured cabling.

General features

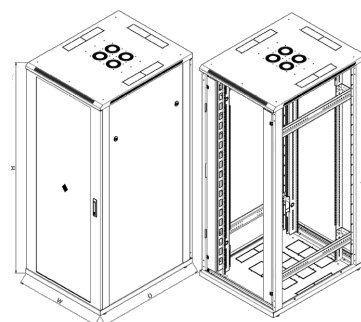
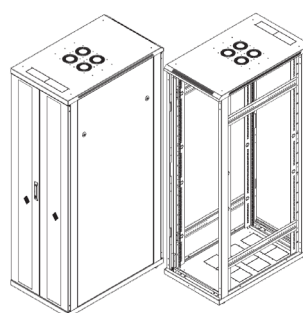
Material:	Realized in 15/10 Steel painted.
Colour:	Surface finish Black RAL 9011.
Frame:	Load-bearing frame
Load:	Static load capacity 800Kg.
IP Grade:	IP20 protection degree in according to EN 60529
Doors front:	Front, single door, perforated 75%
Doors rear:	Rear, vertical double door, perforated 75%
Doors:	Reversible, with quick release hinges system, foldaway handle and 2 key supplied.
Doors open:	Opening 180°
Side:	Blind Panel
Roof and floor:	Roof with predisposition for mounting 2-3-4 fans ventilation unit; passive ventilation slots for the recirculation of hot air; pre-punched space for cable inlet.
Other:	Front and rear 19 " in 20/10 galvanized steel side uprights adjustable in depth, pitch 46mm with intermediate pitches of 15,875mm; 2 front vertical cable management;

Optional

Finishing:	Finishing plinth H100mm with removable panels
Wheels:	Wheels and wheels with brake

Certification

UNI EN ISO 9001, IEC 271 part 1,2,3, EN 61439-1, EN 60529, EN 62208 Empty enclosures for low-voltage switchgear and controlgear assemblies





CODE	UNIT	WIDTH OVERALL	WIDTH USEFUL	DEPTH OVERALL	DEPTH USEFUL	HEIGHT OVERALL	HEIGHT USEFUL
572800-42N	42	800	729	1000	748	1957	1870
572600-42N	42	596	529	996	748	1957	1861



Floor standing rack

Application

The Orca floor and wall cabinets are designed and manufactured in compliance with quality and safety standards, optimal solutions for the management and organization of structured cabling. Orca System offers a range of wall racks with relative accessories. Rack cabinets are distinguished by their exceptional robustness, which, combined with cheapness and simplicity of assembly / disassembly, place them at the top of their category.



General features

Material:	Realized in 15/10 Steel painted
Colour:	Surface finish Black RAL 9011
Frame:	Load-bearing frame
Load:	Static load capacity 500Kg
IP Grade:	IP20 protection degree in according to EN 60529
Doors front:	Tempered safety glass UNI EN 12150-1 - Reversible, with quick release hinges system
Doors rear:	Blind panel
Doors open:	Opening 180°
Side:	Blind Panel
Roof and floor:	Roof with predisposition for mounting 2-4 fans ventilation unit; passive ventilation slots for the recirculation of hot air; pre-punched space for cable inlet.
Other:	Ground kit, levelling feet, side and rear blind panels, removable with quick release system, ¼ turn lock.
Length 600:	2 front 19" in 20/10 galvanized steel side uprights adjustable in depth, pitch 46mm with intermediate pitches of 15,875mm

Optional

Finishing:	Finishing plinth H100mm with removable panels
Wheels:	Wheels and wheels with brake



Certification

UNI EN ISO 9001, IEC 271 part 1,2,3, EN 61439-1, EN 60529, EN 62208 Empty enclosures for low-voltage switchgear and controlgear assemblies.

Glass: EN12150-1, - EN50102 – IK 9 (Glass) - EN50102 – IK 10 (Metallic structure)





CODE	UNIT	WIDTH OVERALL (mm)	WIDTH USEFUL (mm)	DEPTH OVERALL (mm)	DEPTH USEFUL (mm)	HEIGHT OVERALL (mm)
600 X 600						
572201-20N	20	600	529	600	384	879
572200-24N	24	600	529	600	384	1155
572200-27N	27	600	529	600	384	1290
572200-33N	33	600	529	600	384	1557
572200-42N	42	600	529	600	384	1957
600 X 800						
576800-27N	27	600	529	800	548	1290
576800-33N	33	600	529	800	548	1557
576800-42N	42	600	529	800	548	1957
576800-47N	47	600	529	800	548	2197
800 X 800						
572700-33N	33	800	729	800	548	1557
572700-42N	42	800	729	800	548	1957
572700-47N	47	800	729	800	548	2197

Wall mount rack 540mm wide

Application

The Orca floor and wall cabinets are designed and manufactured in compliance with quality and safety standards, optimal solutions for the management and organization of structured cabling. Orca System offers a range of wall racks with relative accessories. Rack cabinets are distinguished by their exceptional robustness, which, combined with cheapness and simplicity of assembly / disassembly, place them at the top of their category.

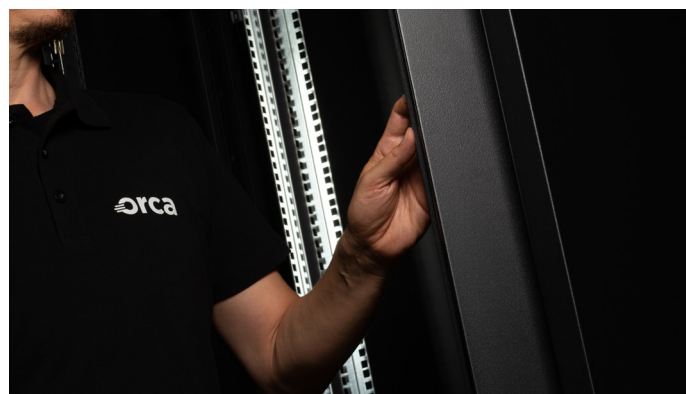


General features

Material:	Realized in 10/10 Steel painted
Colour:	Surface finish Black RAL 9011
Load:	40Kg
IP Grade:	IP20 protection degree in according to EN 60529
Doors front:	Tempered safety glass, reversible, with quick release system and lock, 2 key supplied. Opening 180°
Doors rear:	Blind panel
Doors open:	Opening 180°
Side:	Blind Panel
Roof and floor:	Roof with predisposition for mounting 2 fans ventilation unit; passive ventilation slots for the recirculation of hot air; pre-punched space for cable inlet
Other:	Back panel with wall mount bracket and fixing hole; blind side panels removable with quick release system; 2 front 19 " steel side uprights adjustable in depth; possibility of supplying in Flat Pack or Assembled version, on all measures; finishing plint, wheels, feet not available

Optional

Finishing:	Finishing plinth H100mm with removable panels
Wheels:	Wheels and wheels with brake



Certification

UNI EN ISO 9001, IEC 271 part 1,2,3, EN 61439-1, EN 60529, EN 62208 Empty enclosures for low-voltage switchgear and controlgear assemblies.

Glass: EN12150-1, - EN50102 – IK 9 (Glass) - EN50102 – IK 10 (Metallic structure)





CODE	UNIT	WIDTH OVERALL (mm)	DEPTH OVERALL (mm)	HEIGHT OVERALL (mm)	HEIGHT USEFUL (mm)	FLAT PACK
571090-06N	6	540	450	340	137,5	Yes
571090-09N	9	540	450	473	270,8	Yes
571090-12N	12	540	450	606	404,2	Yes
571090-15N	15	540	450	740	537,5	Yes
571100-12N	12	540	600	606	404,2	Yes
571100-15N	15	540	600	740	537,5	Yes
572200-20N	20	540	600	962	759,8	Yes
571090-06NU	6	540	450	340	137,5	Yes
571090-09NU	9	540	450	473	270,8	Yes
571090-12NU	12	540	450	606	404,2	Yes
571090-15NU	15	540	450	740	537,5	Yes
571100-12NU	12	540	600	606	404,2	Yes
571100-15NU	15	540	600	740	537,5	Yes
572200-20NU	20	540	600	962	759,8	Yes

Wall mount rack 570mm wide

Application

The Orca floor and wall cabinets are designed and manufactured in compliance with quality and safety standards, optimal solutions for the management and organization of structured cabling. Orca System offers a range of wall racks with relative accessories. Rack cabinets are distinguished by their exceptional robustness, which, combined with cheapness and simplicity of assembly / disassembly, place them at the top of their category.



General features

Physical material: Profile 12/10, other 10/10 Cold Rolled Steel.
Colour: Surface finish Black RAL 9004 polyester powder paint
Load: 60Kg

IP Grade: IP20 protection degree in according to EN 60529

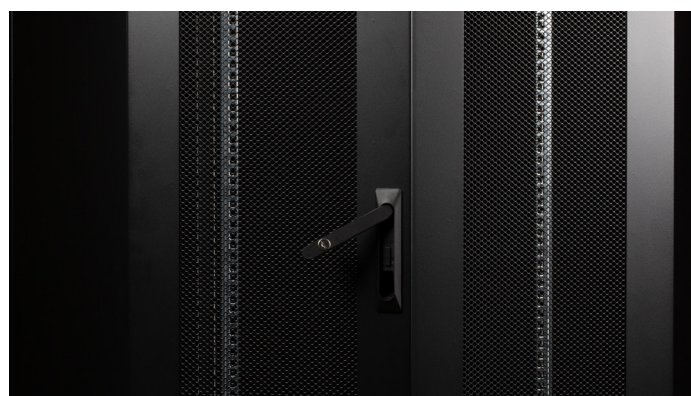
Doors front: Tempered safety glass, reversible, with quick release system and lock, 2 key supplied. Opening 180°

Roof and floor: Opening 180°, reversible; passive ventilation slots for the recirculation of hot air; pre-punched space for cable inlet

Other: Back panel with wall mount bracket and fixing hole; blind side panels removable with quick release system, locked from inside with screw, avoiding to be stolen or accidentally dropped; 2 front 19 " steel side uprights adjustable in depth; supplying in Flat Pack; finishing plint, wheels, feet not available

Certification

ANSI/EIA RS-310-D IEC60297-2, DIN41494; PART 1, DIN41494; PART 7





CODE	UNIT	WIDTH OVERALL (mm)	DEPTH OVERALL (mm)	HEIGHT OVERALL (mm)
571090-06U	6	570	450	370
571090-09U	9	570	450	500
571090-12U	12	570	450	635
571090-15U	15	570	450	770
571100-12U	12	570	450	635
571100-15U	15	570	450	770



PDU 19" - Slot Multistandard

Protected Light Switch



Application

Power Distribution Unit for 19" installation

Construction and features

- Material:** Structure in Plastic or Aluminium profile
- Colour:** Black
- Bracket:** Fixing bracket for 19" standard
- Cable:** 3 mt power cord, F3Gx1,5mmq with interior standard connection (screw)
- Plug:** Shuko plug 90° DIN49441 – left and single input
- Power:** 230Vac – 16A – 4000W
- Fixing:** Prepared for front horizontal assembly
- Dotation:** 6 or 8 multi standard socket (shuko + IT 10/16A) – 45/90° angled
- Switch:** Lighted master switch protected from accidental operation

Standard Compliance and Approvals

CE and RoHS Compliance



CODE	UNIT	DESCRIPTION
482000-06	1U rack	ORCA – PDU 19" 16A - 6 SLOT multistandard, light switch
482000-08	1U rack	ORCA – PDU 19" 16A - 8 SLOT multistandard, light switch
485000-06	1U rack	ORCA – PDU 19" 16A - 6 SLOT multistandard, protected light switch
495000-08	1U rack	ORCA – PDU 19" 16A - 8 SLOT multistandard, protected light switch
495000-09	1U rack	ORCA – PDU 19" 16A - 9 SLOT multistandard
495000-13	1U rack	ORCA – PDU 16A - 13 SLOT multistandard, protected light switch

PDU 19" - 6 Slot Multistandard MGT



Application

Power Distribution Unit for 19" installation

Construnction and features

- Material:** Structure in Aluminium profile
- Colour:** Black
- Bracket:** Fixing bracket for 19" standard
- Cable:** 3 mt power cord, F3Gx1,5mmq
- Plug:** Shuko plug
- Power:** 230Vac – 16A – 4000W
- Fixing:** Prepared for front horizontal assembly
- Dotation:** Multi standard socket (shuko + IT 10/16A)
- Switch:** Master air circuit braker, protected from accidental operation

Standard Complince and Approvals

CE and RoHS Compliance



CODE	UNIT	DESCRIPTION
482000-16	1U rack	ORCA – PDU 19" 16A - 6 SLOT multistandard, bipolar magnetothermic
495000-06	1U rack	ORCA – PDU 19" 16A - 6 SLOT multistandard, bipolar magnetothermic

Vertical PDU Rack Slot multistandard



Application

Power Distribution Unit for 19" installation

Construction and features

Material: Solid structure in Aluminium profile
Colour: Epoxy powder coating – Black RAL 9004
Bracket: Deep adjustable fixing bracket for upright standard
Cable: 3 mt power cord, H05VV-F3Gx1,5mmq
Plug: Shuko plug 90° DIN49441
Operating temperature: Max. 60°
Power: 230Vac – 16A – 3500W
Fixing: Vertical assembly
Dotation: Multi standard socket (shuko + IT 10/16A) – 45° angled

Standard Compliance and Approvals

CE and RoHS Compliance

CODE	UNIT	DESCRIPTION
495000-12	1U rack	ORCA – PDU 16A - 12 SLOT multistandard, bipolar magnetothermic

Security wall cabinet for NVD/DVR



Application

Protects DVR equipment and video surveillance from unwanted access, in only 15 cm.

Construction and features

Material:	Realized steel painted
Unit:	1 or 2 unit
Colour:	Gray
Dimension:	58 x 54.6 x 15 cm
Fixing:	Back equipped with 11 mm spacers for wall mounting
Dotation:	Tray for housing the equipment equipped with 19" bracket 1U with 36.5cm length, adjustable in width (minimum 24 cm, maximum 48 cm) L-shaped bracket for fixing equipment not equipped with 19" connection (with a minimum height of 1 cm and a maximum 5 cm)
Security:	Door can be opened at 90 ° and equipped with double key lock (different keys)

Other: Sides provided with slits for dissipation passive; On the top predisposition for fixing one fan to increase the air flow; pre-cut profiles for the passage of the cables in the lower part of the side (dimensions 13 x 4 cm); Roof equipped with slits for the heat exchange and two pre-cut profiles for cable routing (dimensions 6.5 x 4 cm); Base equipped with slots for exchange thermal and a pre-cut profile for the passage of cables (dimensions 6.5 x 4 cm); Bottom equipped with VESA 50x50 connection, 75x75, 100x100 for the installation of a monitor

Standard Compliance and Approvals

CE and RoHS Compliance, UNI EN ISO 9001

CODE	DESCRIPTION
585515-01	ORCA - Security Rack dim. 580Lx546Hx150P DVR/NVR storage and protection - VESA - double key
585515-02	ORCA - 2U bracket for Security cabinet (optional)
475000-04	ORCA - PDU 4 multistandard sockets, for safety cabinet or 10"

RELATED PRODUCTS

Bracket

- 585515-02

Sockets

- 475000-04

Rack accessories










Application

The ORCA rack accessories are made to help with the organization of any copper or fiber system. Easy to install in any rack, 19" standard, they maintain the system organized and of easy access for the technicians. Realized in 10/10-20 steel painted, surface finish Black RAL 9005.

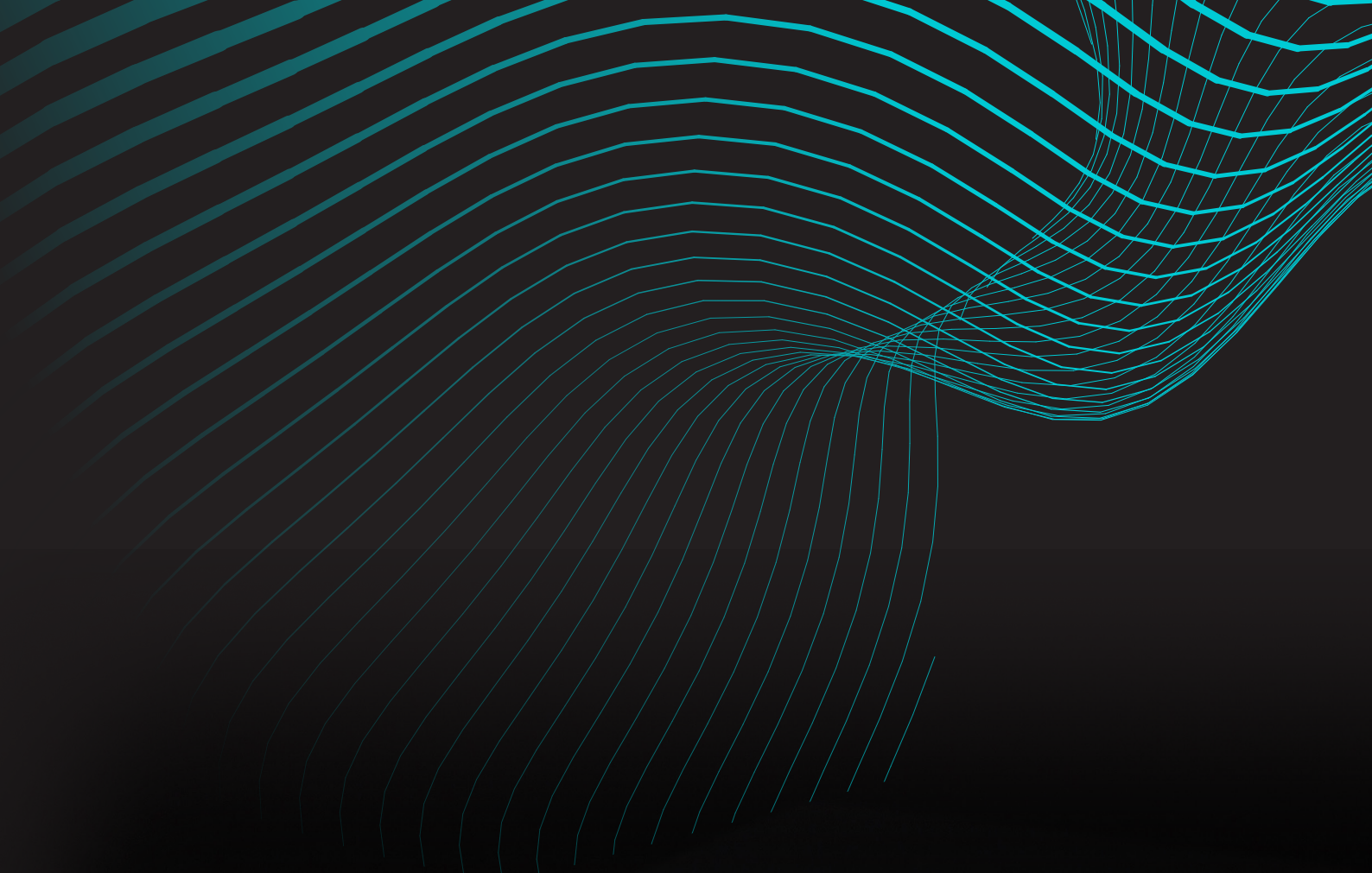
Certification

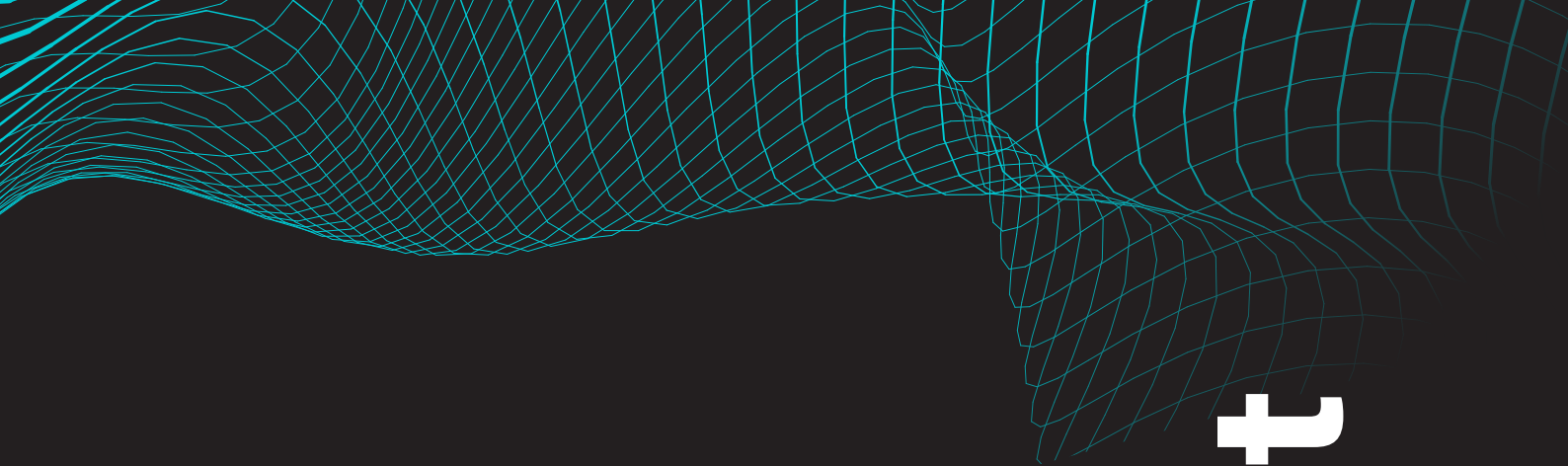
CE and RoHS Compliance, UNI EN ISO 9001

CODE

550100-00N	Single Axial fan cooler for rack, roof mount, with protection grid	  
550100-00NT	Single Axial fan cooler for rack, roof mount, with protection grid and thermostat	
550100-02N	Group of 2 Axial fan cooler for rack, roof mount, with protection grid	
550100-02NT	Group of 2 Axial fan cooler for rack, roof mount, with protection grid and thermostat	
550100-04N	Group of 4 Axial fan cooler for rack, roof mount, with protection grid	
550100-04NT	Group of 4 Axial fan cooler for rack, roof mount, with protection grid and thermostat	
550120-01N	Blind panel 1U, Black RAL 9005	
550120-02N	Blind panel 2U, Black RAL 9005	
550120-03N	Blind panel 3U, Black RAL 9005	
571055-02N	Horizontal cable management – 5 metal rings - Black	
571055-02	Horizontal cable management – 5 metal rings removable with screw - Black	
570025-05	Horizontal cable management – 5 removable plastic rings - Black	
550270-01N	Kit 2 side rings gest. vertical cables, fixing on mounts, also for 600mm rack	
550240-00	Black Tie wraps useful for cable management (12x20x200mm)	
550240-05	Black Tie wraps roll 5mt useful for cable management (20x200mm)	

550080-02N	Cantilever fix shelf , 2U, depth 250mm, 25Kg - Black	
550090-02N	Cantilever fix shelf , 2U, depth 400mm, 25Kg - Black	
550070-01N	Fixed shelf, 4 uprights fixing for floor cabinets, adaptable depth. 800/1000	
550060-01N	Fixed shelf, 4 uprights fixing for floor cabinets depth. 600	
550071-01N	Sliding shelf prof. 600 for rack 800, 2U, fixing 4 uprights, port. 100 KG	
550072-01N	Sliding shelf prof. 750 for 1000 rack, 2U, 4-post fixing, port. 110 KG	
550091-02N	Sliding keyboard drawer, 2U	
556642-01N	Finishing plinth for floor rack 600x600 - Black	
558642-01N	Finishing plinth for floor rack 600x800 / 800x600 - Black	
558842-01N	Finishing plinth for floor rack 800x800 - Black	
558142-01N	Finishing plinth for floor rack 800x1000 - Black	
550100-01N	Kit 4 wheels diam. 80mm. M10 2 pivoting wheels and 2 with brake	
550230-01S	Kit 50 screws and cage nuts M6 - Silver	
550230-01N	Kit 50 screws and cage nuts M6 - Black	
550230-00S	Kit 50 screws, washer and cage nuts M6 - Silver	
550230-00N	Kit 50 screws, washer and cage nuts M6 - Black	
550505-01N	Rack handle, mechanical numerical combination opening	
550270-08N	Joint fixing KIT for floor stand rack 600 - Black	
550270-09N	Joint fixing KIT for floor stand rack 800 - Black	
550101-00N	Brush cable entry - Black	
550290-00	Set Back Brackets - Black	
550620-00N	2 rear uprights KIT for 600/800mm depth rack - H.20U	
550624-00N	2 rear uprights KIT for 600/800mm depth rack - H.24U	
550627-00N	2 rear uprights KIT for 600/800mm depth rack - H.27U	
550633-00N	2 rear uprights KIT for 600/800mm depth rack - H.33U	
550642-00N	2 rear uprights KIT for 600/800mm depth rack - H.42U	
558842-00N	Grid door for rack 800x42U - Black	





LAN Equipment



10

MEDIA CONVERTER

11

INDUSTRIAL SWITCH

14

SPF MODULE

Media Converter 100 Base-T FX SM and MM



Application

Copper to fiber and fiber to copper conversion - stand alone

Description

All ORCA® Fast Ethernet Converters are compact size units with metal cases, to fulfill the FCC emission standards. The 100Base-TX and the 100Base-FX converter feature LED diagnostics for Power, Activity, Link and Full Duplex / Half Duplex operation. All converters are fully compliant with the IEEE 802.3 & 802.3u Fast Ethernet standards and feature one STP-RJ45 10/100Base-TX port as well as one Fiber Optic 100Base-FX (SC/ST/MTRJ) port. In multi mode applications distances up to 100m/300m can be achieved. Each unit is powered by an external power supply. Installation of the Fast Ethernet converter is simple and straightforward. The powerful features are as 10/100 Auto Negotiation, Auto cross over for TP port, Fiber Link Alarm, Voltage supervisor, and support switch mode & pure converter mode.

Features

Indicator: LED Indication: Power, FDX, TP 100, TP Link/Act, Fiber 100, Fiber Link/ACT

Copper Speed: 10/100Mbps Auto Negotiation and Auto cross over for TP port on Dual Port 10/100Mbps Switch inside

Standard Compliance and Approvals

Comply with IEEE 802.3 & 802.3u Fast Ethernet standards; ETH: 14.880 pps F/ETH: 148.000 pps; EMI FCC Part 15 Class A, CE

CODE	DESCRIPTION
481210-01	ORCA - Media Converter Fast Ethernet MM 100BaseT-FX, SC
482210-01	ORCA - Media Converter Fast Ethernet MM 100BaseT-FX, ST
481210-02	ORCA - Media Converter Fast Ethernet SM 100BaseT-FX, SC (30km)

Media Converter 1000 Base-T SM and MM

Application

Copper to fiber and fiber to copper conversion - stand alone



Description

All ORCA® Gigabit Fiber Media Converters are compact size units with metal cases. The traditional 10/100/1000 gigabit Ethernet can be extended to distance of 100Km (depending by models) through optical fiber link. Performance and quality of product are guarantee to adopting latest Gigabit IC from USA and Taiwan. 6 group LED indicated lights could fully monitor the working condition of converter and link. It is easy for users to observe and diagnose the failure of the connection. Gigabit Converters can be use standalone or inserted to 16 slots RACK (optional)

Features

Copper Speed: Auto negotiation function allows UTP ports to auto select 10/100/1000M Full and Half duplex - The UTP ports supports the connection of MDI/MDI-X auto crossover

Standard Compliance and Approvals

ETH: 14.880 pps F/ETH: 148.000 pps; EMI FCC Part 15 Class A, CE

CODE	DESCRIPTION
481220-01	ORCA - Media Converter Gigabit Ethernet MM 1000BaseT-SX, SC
481220-02	ORCA - Media Converter Gigabit Ethernet SM 1000BaseT-LX, SC

Standard and Industrial Switch

with SFP interface or
combo uplink

Application

Switch which aims at Ethernet high definition surveillance and security system application, PoE+, Auto MDI/MDIX function



Description

Switch with 2x100 or 2x1000Mb uplink SFP/Ethernet port, 4/8/24 10/100 or 10/100/1000Mbps Ethernet ports.
(*) DIN, desktop or rack version; (*) support PoE IEEE802.3af/at power supply standard;
(*) from unmanaged to L2.
(*) depending on the model

Features

Status Indicator: Main Power; 2 pcs on RJ45 Yellow for PoE and Green Link/Act; 2 pcs on SFP for Uplink Link/Act; 1 pcs Green for CCTV

Standard Compliance and Approvals

Meet IEEE802.3, IEEE802.3u, IEEE802.3 af/at standards, PoE use End-Span, the spare cable can be of other use; Excellent antithunder, anti-static and anti-interference ability

CODE DESCRIPTION

481214-04 ORCA - Industrial Switch (DIN) unmanaged 4 Ports HPOE 10/100/1000 + 2 Uplink combo Gigabit



481214-08 ORCA - Industrial Switch (DIN) unmanaged 8 Ports POE 10/100 + 2 Uplink combo Gigabit



481212-04 ORCA - Switch 4 Ports 10/100 Mbps POE + 2 10/100 Ethernet Uplink



481212-08 ORCA - Switch 8 Ports 100Mbps POE + 1 x 100 Ethernet Uplink



481212-24 ORCA - POE Switch Managed 24 ports 100Mb + 2 combo Gigabit Uplink



SFP module



Application

Copper to fiber ad fiber to copper conversion - Small for Factor

Description

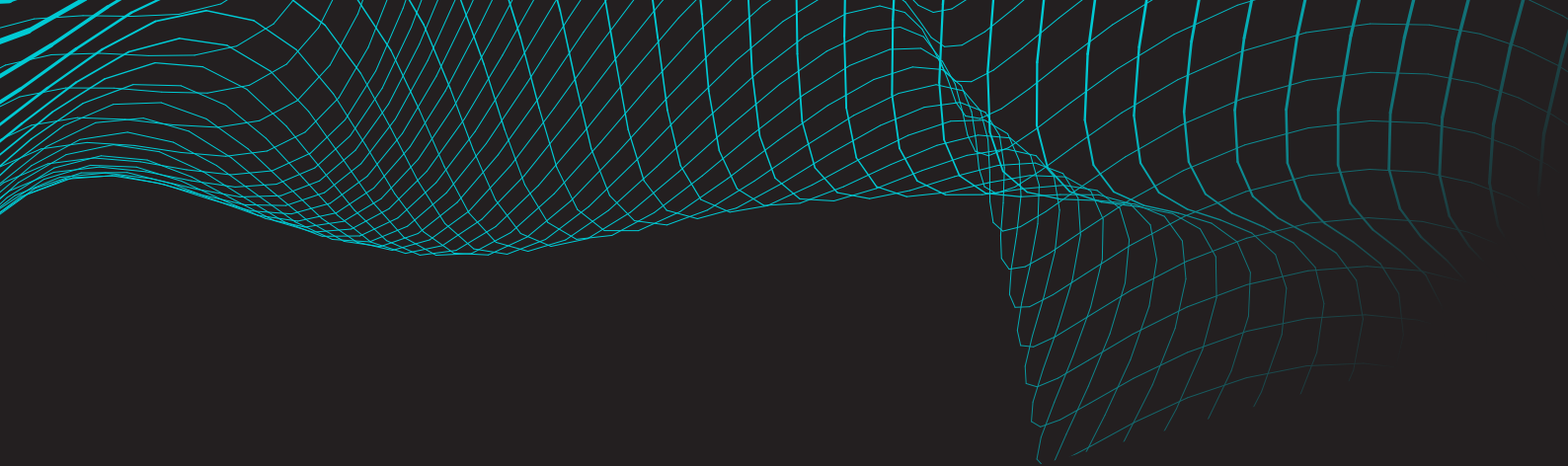
This is a standard SFP optical module. It uses a single mode optical fiber and the speed rate can up to 1.2Gbps, transmission distance up to 20 km.
This product need to use in pair and match up with video to fiber converter and optical Ethernet switch with SFP port, it can be used in Ethernet, telecom and optical fiber communication and other industries.

Standard Complince and Approvals

Low EMI and excellent ESD protection; IEC 61000-4-2; Laser safety standard IEC-60825 compliant; Compatible with RoHS; Digital Diagnostic SFF-8472 compliant

CODE	DESCRIPTION
OC-LAN-SFP-20	ORCA - Optic SFP module - 1.25G SM (Single Mode) - 20km 1310nm - LC/PC
OC-LAN-SFP-550	ORCA - Optic SFP module - 1.25G MM (Multi Mode) - 550mt 850nm - LC/PC
OC-LAN-SFP-2	ORCA - Optic SFP module - 155Mb MM (Multi Mode) - Dual Fiber - 2km 850nm - LC/PC





11	TERMINAL
14	BOX
15	CABLES
16	TUBETTI

ETEX

Multiservice system solution

By "multiservice physical infrastructure inside a building" we mean the complex of installations inside the buildings containing wired access networks in optical fiber with fixed or wireless termination that allow to provide access to ultra-broadband services and to connect the building access point with the network termination point.

This solution will make it possible to manage the universal services present in all residential buildings such as centralized television, terrestrial and satellite signal, telephony, voice and data at broad and ultra-wideband as well as Telemedicine and Technical Teleservice.

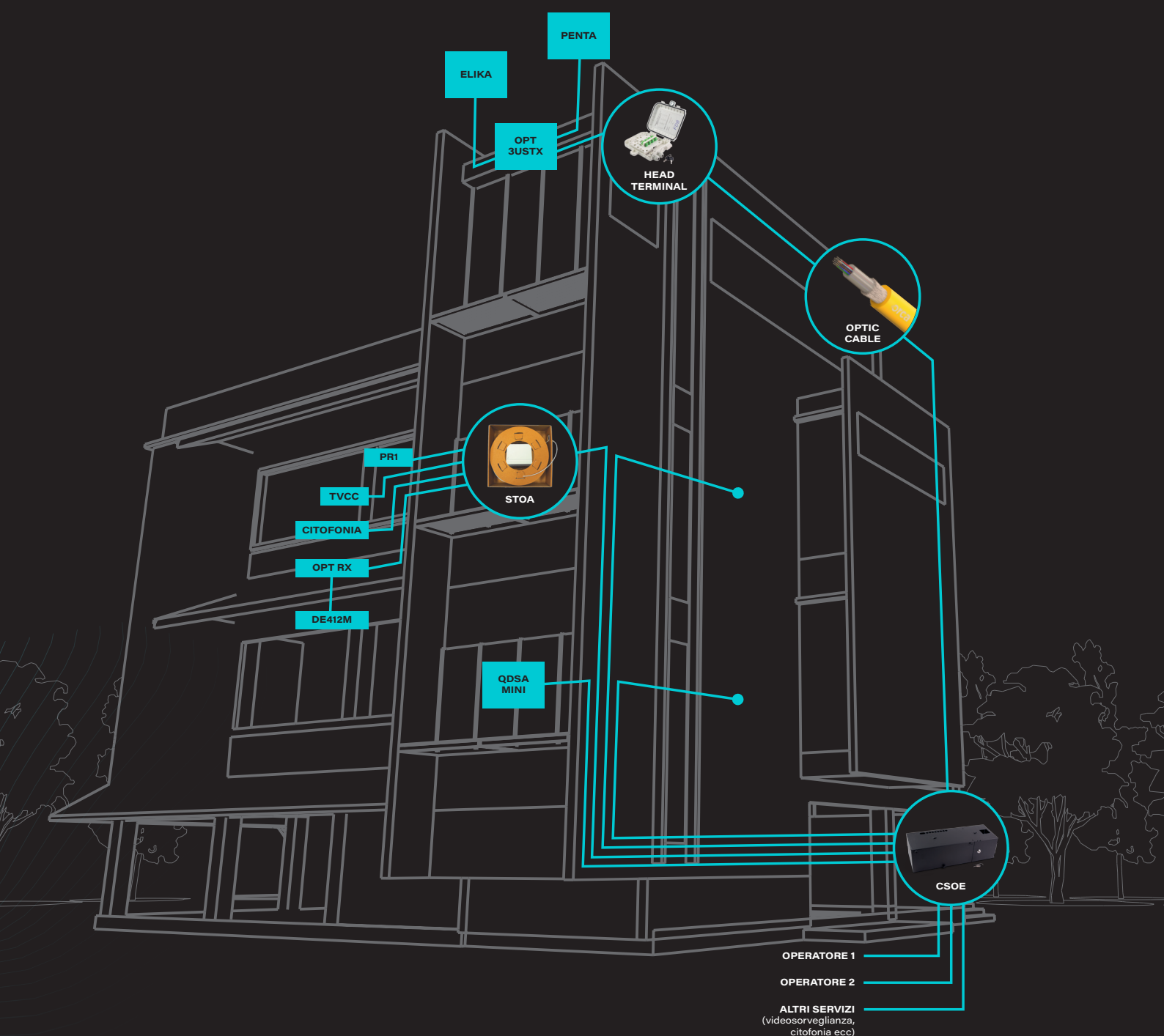
The system will be structured to

manage other universal services for all users of the condominium, such as the video intercom, video surveillance, management of condominium and residential systems. Each service will have its own fiber-optic link infrastructure.

For the realization of a passive multiservice physical infrastructure inside a building, the designer must follow the technical guide CEI CEI 306-22 "Provisions for the infrastructure of buildings with electronic communication systems - Guidelines for the application of the Law 11 November 2014 , no. 164 "which is a necessary but also simplified tool to facilitate the application of Presidential Decree 380/01.

The FTTH service managed by the multiservice system allows the connection between the "horizontal" network that carries the data and voice signals from the telephone exchanges at

the base of the buildings to the entrance of each building unit of the building, called user socket, constituting the so-called "vertical", technically called "fiber optic termination segment".



CSOE all assembly system

Stackable



Application

The Optical Service Center of the Building is the optical box that has the function of a "star-center" or physical place in which the connection is made, between the optical cables coming from the STOAs, from the head terminal and with the geographic cable carried out by the operator ROE (Optical Building Distributor). The CSOE is divided into two sections identified in the Services Area and the Distribution Area.

Standard Complince and Approvals

CE and RoHS Compliance, UNI EN ISO 9001



CODE	SIZE (mm)	DESCRIPTION
900009-01	450 x 161,20 x 130	ORCA - CSOE module for Service distribution - loaded without splitters,
900009-02	450 x 162,4 x 156,20	ORCA - CSOE module for 8 user distribution - loaded
900009-03	320 x 150 x 105	ORCA - CSOE plastic box for fiber optic termination, 32 cores.
900009-04	323 x 150 x 65	ORCA - CSOE slim box for fiber optic termination, 32 cores.

Head terminal for DVBTv and SAT signals



Application

The head terminal is an optical box whose function is to collect the radio service signals coming from the roof such as the digital terrestrial antenna signal, satellite and / or connectivity of wireless operators.

Features

- Size: 250 x 215 x 75 mm
- Loaded with: 8 SC/APC optical adapters
- Wall mount fixing kit

Standard Compliance and Approvals

IEC 60529 - Guida CEI 306-22



CODE	DESCRIPTION
900007-01	ORCA - Head terminal box with 8 SC/APC optical adapters

User termination box



Application

Apartment optical termination box for connection to the FTTx access network

Features

General: Joint holder folder, wall fixing
Material: Plastic
Colour: White
Footprint: SC SPX flangless



CODE	SLOT	SIZE (mm)	DESCRIPTION
900001-01D	4	100x80x31mm	ORCA - User termination box with DIN bracket - 4 position SC flangless Simplex (does not include adapters)
900001-02	2	105x82x21mm	ORCA - User termination box - 2 position SC flangless Simplex (does not include adapters)
900001-03	2	86x115x23mm	ORCA - User termination box transparent door - 2 position SC flangless Simplex (does not include adapters)
900001-04	2	82x104x23mm	ORCA - User termination box - vertical 2 position SC flangless Simplex reflector housing (does not include adapters)
900001-01A	-	10 x max. diam. 12mm	ORCA - BOX single joint protection
900001-01B	-	85x18x10mm	ORCA - BOX double joint protection with fixing holes

RELATED PRODUCTS

Adapters

- 900002-01
- 900002-02

Pigtail

- 900003-01
- 120728-02

Fiber Optic Terminal Box

IP55 and IP66

Application

Widely Used In FTTH Access Network; CATV Networks; Telecommunication Networks Data Communications Networks; Local Area Networks; Industry Standard User Interface, be made of high impact plastic; Can accommodate PLC splitter; Anti-UV, ultra violet resistant; Rainfall resistant.



Description

ORCA's Terminal Box is suitable in FTTH project for corridor, basement, room and building's outer walls (pole and wall). It integrates fiber splicing, splitting, distribution, storage and cable connection in one solid protection box.

Features

Material: made of PC+ ABS, high impact plastic, lock provided for extra security
Specific: wall and pole mountable, IP55 or IP66

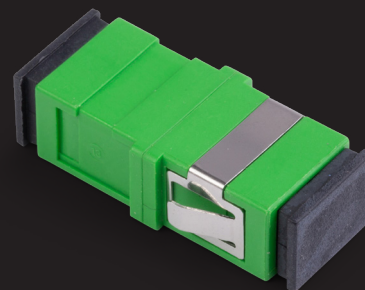
Adapter

Adapter with flag slots used – No screws and tools needed for installing adapters



CODE	SIZE (mm)	DESCRIPTION
900001-08	208 x 180 x 45	ORCA - BOX - 8 position for SC Simplex (adapter not supplied) - IP55
900001-12	245 x 210 x 60	ORCA - BOX - 12 position for SC Simplex (adapter not supplied) - IP55
900001-24	330 x 225 x 90	ORCA - BOX - 24 position for SC Simplex (adapter not supplied) - IP55
900001-48	380 x 350 x 125,5	ORCA - BOX - 48 position for SC Simplex (adapter not supplied) - IP55
900001-04H	186 x 116 x 40	ORCA - BOX - 4 position for SC Simplex (adapter not supplied) - IP66
900001-08H	225 x 220 x 55	ORCA - BOX - 8 position for SC Simplex (adapter not supplied) - IP66
900001-12H	225 x 200 x 65	ORCA - BOX - 12 position for SC Simplex (adapter not supplied) - IP66
900001-24H	317 x 237 x 101	ORCA - BOX - 24 position for SC Simplex (adapter not supplied) - IP66
900001-08H3	199 x 160 x 46	ORCA - BOX - 8 position for SC Simplex - 3 cable entries - IP66

Optical adapter



Application

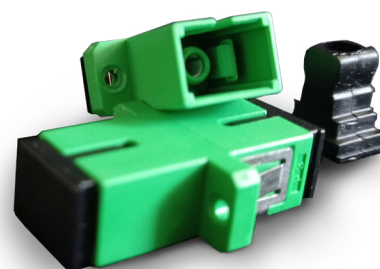
CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Sensor system, Premise Installations, Industrial and Medical

Description

ORCA® fiber optic adapters are designed and manufactured with an ISO9001 system. A complete line of adapter for any telecommunications application. Available in MultiMode 50/125 μm , OM2/OM3/OM4, OM1 62,5/125 μm and OS2 9/125. Available connector styles include MT-RJ, SC, ST, LC and FC. Feature connectors with ceramic or metal sleeve. Most standard cable assemblies are in stock for immediately ship, special and bulk packages are available and quickly achievable on request.

Features

High Temperature Stability, High Precision Alignment, Compact design, Low Insertion Loss, High Back Reflection Loss, Hybrid configuration available, Clips or clips/screw mounting, Duplex or Simplex version. ZrO₂ zirconia - 125 μm Ceramic Sleeve Technology, Plastic in standard colors or Metal housing



Standard Compliance and Approvals

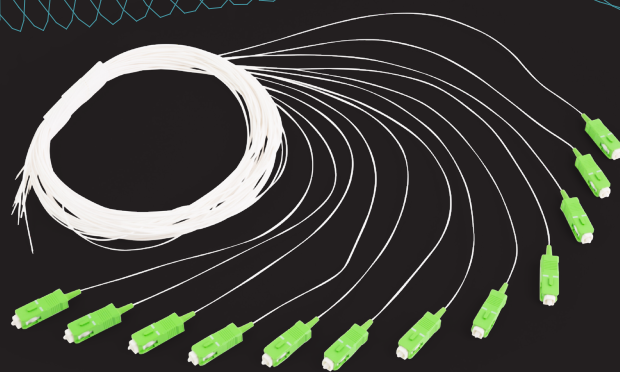
ANSI, TIA/EIA, Telcordia, NTT and JIS Compliance



CODE	PRODUCT	FIBER TYPE	ADAPTER TYPE	MATERIAL	COLOUR
900002-01	Adapter	OS2 - 9/125	SC/APC SPX	Plastic, flangless	Green
900002-02	Adapter	OS2 - 9/125	SC/APC SPX	Plastic, flangless, white flap	Green
900002-03	Adapter	OS2 - 9/125	SC/APC SPX	Plastic, with flange	Green
OC-FAD-SC-MM	Keystone		SC/APC SPX to keystone	Plastic	White
OC-FAD-SC-MMB	Keystone		SC/APC SPX to keystone	Plastic	Black

Pigtail Singlemode

9/125 G657A2 SC/APC



Application

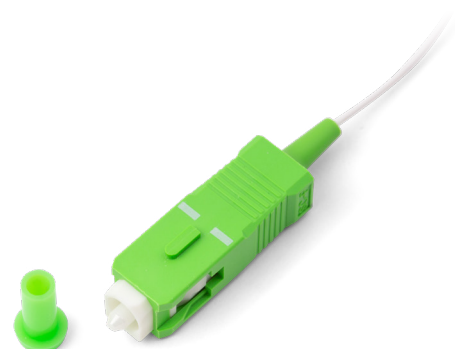
FTTx application, CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical

Description

ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available for FTTx application in SingleMode 9/125 μ m OS2 G.652 and G.657.Ax. Available connector styles include SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

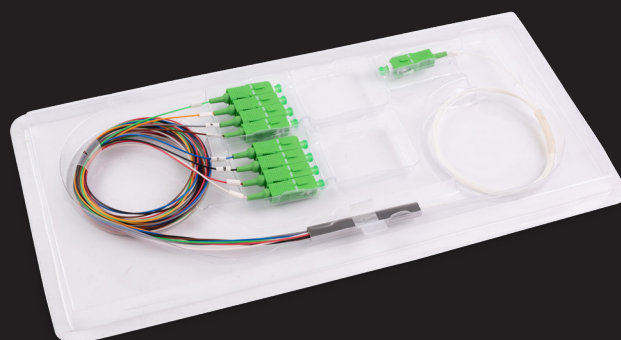
Specification

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900 μ m buffered fiber assemblies, Duplex (or simplex on request), Factory terminated/factory tested
ZrO2 zirconia - 125 μ m Ceramic Ferrule Technology, semi-tight cable constructions, sheath LSZH
Durability Single mode: ≤ 0.2 dB typical change 1000 matings



CODE	FIBER CORE TYPE	COLOUR	DESCRIPTION
900003-01	OS2 - 9/125 - G.657.A2	White	ORCA - Pigtail Singlemode 9/125 G657A2 SC/APC LSZH 2m (kit 12 pz.)
120728-02	OS2 - 9/125 - G.657.A2	White	ORCA - Pigtail Singlemode 9/125 G657A2 SC/APC 2m - easystrip
120728-12	OS2 - 9/125 - G.657.A2	Kit 12 colors	ORCA - Pigtail Singlemode 9/125 G657A2 SC/APC - 2m
131115-06	OS2 - 9/125		ORCA - FAOC - pre lapped connector SC/APC singlemode 9/125 - 250/900 (moq. 10 pz)

PLC optical splitter module for FTTH



Application

PLC (Planar Lightwave Circuit Technology) - Multi Mode and % fractionated available on specific request

Description

In networks made of optical fiber, the splitting of the signal can take place in an "active" way, by means of a switch equipped with an optical interface, or in a passive way, at the physical level without the need for powered equipment.

The devices used for splitting are called optical splitters.

The ORCA® "Passive Optical Splitter" splits an optical signal into multiple equal or fractional signals of lower power, and distributes them to end users.

Features

Input/output Fiber (1xN): 250um Bare fiber (White or Clear), 900um±50um (White) Tight buffered Fiber

Material of Module case: SUS 304, or stainless steel tube - Single Mode ITU-G.657A fiber (Including 0.25/0.9mm Cable)

Temperature range: -10/+65 C, Humidity: under 95% RH

Return Loss (RL) (dB): ≥ 55

Directivity (dB): ≥ 55

CODE	DIMENSION	DESCRIPTION
900010-01	1x2 / 1x8 – 4x4x40mm	ORCA - Optical Spitter 1x2 - MINI, naked, cable in-out 0.9mm*1m
900010-04	1x2 / 1x8 – 4x4x40mm	ORCA - Optical Spitter 1x4 - MINI, naked, cable in-out 0.9mm*1m
900010-08	1x2 / 1x8 – 4x4x40mm	ORCA - Optical Spitter 1x8 - MINI, naked, cable in-out 0.9mm*1m
900010-16	1x16 / 1x32 – 7x4x55mm	ORCA - Optical Spitter 1x16 - MINI, naked, cable in-out 0.9mm*1m
900010-32	1x16 / 1x32 – 7x4x55mm	ORCA - Optical Spitter 1x32 - MINI, naked, cable in-out 0.9mm*1m
900010-64	1x64 – 12x4x60mm	ORCA - Optical Spitter 1x64 - MINI, naked, cable in-out 0.9mm*1m
900010-04A	1x2 / 1x8 – 4x4x40mm	ORCA - Optical Spitter 1x4 naked, cable in-out 0.9mm*1m SC/APC
900010-08A	1x2 / 1x8 – 4x4x40mm	ORCA - Optical Spitter 1x8 naked, cable in-out 0.9mm*1m SC/APC

Heat shrinkable sleeve



Application

CATV and Multimedia; Telecommunication Networks; Data Processing Networks; Gigabit Ethernet; Interconnection for O/E Modules; Industrial, Military and Medical.

Description

The ORCA® fiber heat shrinkable tube is made of heat shrinkable polymer material. The transparent outer layer is convenient to detect whether the fiber joint is connected correctly, so that the fiber can be assembled in a simple and safe way and provide protection. After Shrinkage, the optical transmission characteristics of the fiber can be maintained to provide strength and protection for the fiber joint. It can avoid the damage of optical fiber during installation.



General features

Protect connection points and improve mechanical strength
Does not affect the optical conductivity characteristics of the fiber.

Transparent casing makes the fiber connection clear at a glance
Simple operation, reduce the risk of optical fiber damage during installation.

For Bare fiber application

Material: PE transparent, Steel type SUS 304



CODE	FIBERS	DIAMETER	DESCRIPTION
150000-40	1	2,5mm	ORCA - Heat shrinkable sleeve 40mm – (conf. 120 Pz.)
150000-60	1	2,5mm	ORCA - Heat shrinkable sleeve 60mm – (conf. 120 Pz.)
150001-35	1	1,5mm	ORCA - Heat shrinkable sleeve micro version L 35mm - (conf. 120 Pz.)
150001-30	1	1,5mm	ORCA - Heat shrinkable sleeve micro version L 30mm - (conf. 120 Pz.)
150002-35	1	1,0mm	ORCA - Heat shrinkable sleeve slim version L 35mm - (conf. 120 Pz.)
150002-30	1	1,0mm	ORCA - Heat shrinkable sleeve slim version L 30mm - (conf. 120 Pz.)

FTTx subscriber optic cable

Application

This drop cable (COR range) has been designed to meet the needs of connecting subscribers to FTTH networks. Protected by a flame retardant LSOH sheath, the cables have an excellent crush resistance and tensile strength, as well as an exceptionally small diameter.

Description

4 fo SM G557A2 backbone cable suitable for indoor installation, LSZH flame retardant sheath. The cable contains to his internal Kevlar yarns for greater tensile strength. The peculiarity of the cable, as per legislation, is the structure with a reduced diameter that facilitates the passage inside cable ducts. The G657.A2 Bend Insentitive fiber also has a bend radius extremely low (7.5 mm) which allows for flexion greater than the cable while maintaining the performance of the fibers and without stress-induced attenuation. The cables are perfectly suited for indoor installations to connect subscribers via partions, floor slabs and cluttered shafts.

Features

Temperatures operation: -5 / +60 ° C

Construction

Outer sheath: Sheath zero halogen, flame retard (LSOH), UV stabilized Ivory color

Optical fiber: 4 OS2 G.657.A2 fibers whit low bend radius, semi-tight buffered 900 µm

Standard Complince and Approvals

IEC/EN 60793, IEC/EN 60794-1, OC-FTH-900004-01



CODE	DESCRIPTION
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900004-01	ORCA - Optical fiber optic cable for FTTx application, 4 fibers OS2 G.657.A2 Bend insensitive (4 mm), Ivory
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Optical Patch Cords

**SC/APC - SC/APC or
LC/UPC - SC/APC for FTTx**

Application

FTTx application, CATV and Multimedia, Telecommunication Networks, Active Device Termination, Gigabit Ethernet, Interconnection for O/E Modules, Data Processing Networks, Optical Switch Interframe Connection, Premise Installations, Asynchronous Transmission Mode(ATM), Industrial and Medical



Description

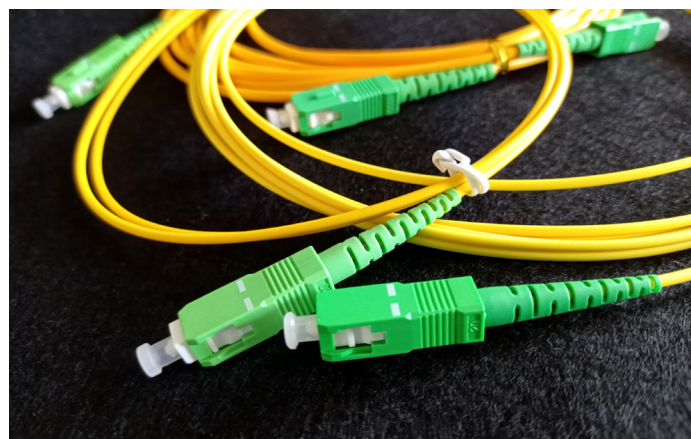
ORCA® pigtails are designated and manufactured with an ISO9001 system. A complete line of cable assemblies for any telecommunications application. Each pigtail is factory terminated and tested. Manufactured using quality ORCA cable and connectors. Available for FTTx application in SingleMode 9/125 μm OS2 G.652 and G.657.Ax. Available connector styles include SC, ST, LC and FC. Feature connectors with ceramic ferrules. Most standard cable assemblies are in stock for immediately ship, special configurations are available and are quickly made on request.

Features

High Temperature Stability, Good Exchangeability, Good Durability, Low Insertion Loss, High Back Reflection Loss, 900 μm buffered fiber assemblies, Duplex (or simplex on request). ZrO₂ zirconia - 125 μm Ceramic Ferrule Technology, semi-tight cable constructions, 1,8 +/-0,2 mm zipcord (or 3 or 1,6 mm on request) sheath LSZH

Standard Compliance and Approvals

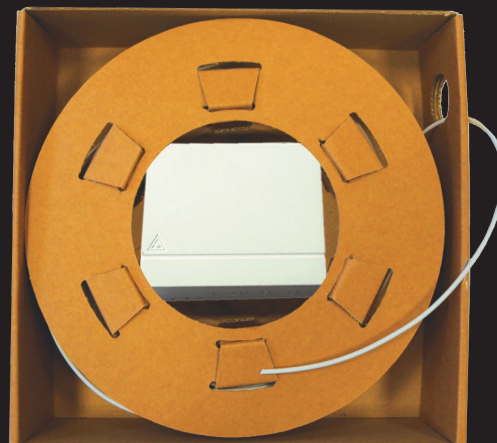
TIE/EIA 568-A Compliant, Telcordia GR-326-CORE, IEC 60874-14, IEC 61754-15/-20, IEC 60332, Bellcore/Telecordia GR-326, Bellcore/Telecordia GR-409, ISO/IEC 11801 2nd Ed., EN 50173, EN188000, Jis C 5973 F04, RoHS 2002/95/EC, ICEA-596, IEC 60793-2-10 A1x, IEC 793, IEC 794-1-E1, IEC 794-1-E3.



CODE	FIBER TYPE	LENGHT (m)	CONNECTOR SIDE A	CONNECTOR SIDE B
127708-01	SPX	1	SC/APC	SC/APC
127708-02	SPX	2	SC/APC	SC/APC
127708-03	SPX	3	SC/APC	SC/APC
127708-05	SPX	5	SC/APC	SC/APC
127708-10	SPX	10	SC/APC	SC/APC
127718-01	DPX	1	SC/APC	SC/APC
127718-02	DPX	2	SC/APC	SC/APC
127718-03	DPX	3	SC/APC	SC/APC
127718-05	DPX	5	SC/APC	SC/APC
127718-10	DPX	10	SC/APC	SC/APC
127703-01	SPX	1	SC/APC	SC/APC
127703-02	SPX	2	SC/APC	SC/APC
127703-03	SPX	3	SC/APC	SC/APC
127703-05	SPX	5	SC/APC	SC/APC
127703-10	SPX	10	SC/APC	SC/APC
127713-01	DPX	1	SC/APC	SC/APC
127713-02	DPX	2	SC/APC	SC/APC
127713-03	DPX	3	SC/APC	SC/APC
127713-05	DPX	5	SC/APC	SC/APC
127713-10	DPX	10	SC/APC	SC/APC
123718-01	DPX	1	LC/UPC	SC/APC
123718-02	DPX	2	LC/UPC	SC/APC
123718-03	DPX	3	LC/UPC	SC/APC
123718-05	DPX	5	LC/UPC	SC/APC
187703-01	SPX	1	SC/APC	SC/APC
187703-02	SPX	2	SC/APC	SC/APC
187703-03	SPX	3	SC/APC	SC/APC
187703-05	SPX	5	SC/APC	SC/APC
187703-10	SPX	10	SC/APC	SC/APC
187713-01	DPX	1	SC/APC	SC/APC
187713-02	DPX	2	SC/APC	SC/APC
187713-03	DPX	3	SC/APC	SC/APC
187713-05	DPX	5	SC/APC	SC/APC
187713-10	DPX	10	SC/APC	SC/APC

Pre cabled STOA

Indoor/outdoor installation



Application

FTTx installation

Description

Product packaged in a special box with unwinding system anti-torsion of the cable to speed up its installation. Pre-assembled and spliced in the factory, and available with different riser cable lengths of 15, 20, 30, 40, 50... meters already assembled and tested 100%.

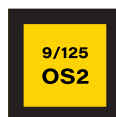
Features

Size: Small size, 117,5 x 80 x 27,5mm
G.657.A2 fiber

Specific: LSZH Dca

Fibers: 4 fibers

Type: SC/APC connected on STOA box with adapters



LENGHT (m)	INSTALLATION	CODE	DESCRIPTION
15	Indoor	2S0090-04-15	ORCA - Fiber optic trunk 4 FO G.657.A2 connector SC/APC on STOA - CPR Dca
30	Indoor	2S0090-04-30	ORCA - Fiber optic trunk 4 FO G.657.A2 connector SC/APC on STOA - CPR Dca
50	Indoor	2S0090-04-50	ORCA - Fiber optic trunk 4 FO G.657.A2 connector SC/APC on STOA - CPR Dca
100	Outdoor	2S0090-04-O100	ORCA - Fiber optic trunk 4 FO G.657.A2 connector SC/APC on STOA - indoor/outdoor cable 4mm

Together, Tomorrow.



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Orca Networking - un brand di Sirius Spa
Strada del Portone 159, 10095 Grugliasco (TO)

