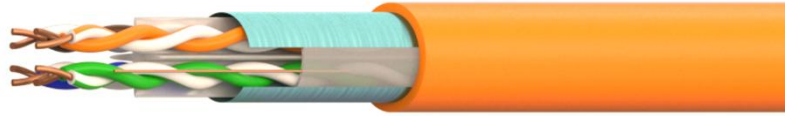


COPPER CABLE



COPPER CABLE CAT 6A U/UTP ALIEN NEXT PROOF 23AWG LSZH – Dca



Application:

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

Construction and characteristics:

Conductor:	Material	Bare Copper
	AWG Size	23 AWG – 0.57 ±0.01
	Filler	With "+" cross mould separate
Insulation:	Material	HDPE
	Thickness	-
	Diameter	Nominal: 1.11 ±0.08mm x 2C Twist
	Pair colors	Bl/WhBl, Or/WhOr, Gr/WhGr, Br/WhBr
	Unaged Elongation	-
	Unaged Tensile Strength	-
Alien Next Proof	Material	Mylar Spiral and Segmented Al-PET ≥125%
Drain Wire	Material	-
Jacket:	Material	LSZH – CPR Dca (s2,d2,a1)
	Thickness	-
	Diameter	Nominal: 7.40 ±0.30 mm
	Colour	Orange (RAL-2009)
	Unaged Elongation	-
	Unaged Tensile Strength	-
	Aging at 100°C for 168h	-
Marking	On cable (black – one per meter)	CABLE U/UTP Cat.6A 500MHz 4PxAWG23 LSZH Dca - s2,d2,a1 – 212215-22 - ISO/IEC 11801 ANSI/TIA-568-C.2 <batch no.> <dd/mm/yy> <meter> m

Reference Standard

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	EN61034-2 (Smoke Density)
IEC61156-5:2020 (Ed.3.0)	EN60754-2 (Halogen Free)
EN50288-11-1:2012	EN 50399, EN 50575 (Reaction to fire)
ANSI/TIA-568.2-D:2018;	

Electrical Characteristics and Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	NEXT (dB) Min.	PSNEXT (dB) Min.	Return loss (dB) Min.	ACR-F (dB/100m) Min.	PSACR-F (dB/100m) Min.	ACR-N (dB/100m) Min.	PSACR-N (dB/100m) Min.
4,0	3,8	66,3	63,3	23,0	56,0	53,0	62,5	59,5
10,0	5,9	60,3	57,3	25,0	48,0	45,0	54,4	51,4
16,0	7,5	57,2	54,2	25,0	43,9	40,9	49,8	46,8
31,25	10,5	52,9	49,9	23,6	38,1	35,1	42,4	39,4
62,5	15,0	48,4	45,4	21,5	32,1	29,1	33,4	30,4
100,0	19,1	45,3	42,3	20,1	28,0	25,0	26,2	23,2
250,0	31,1	39,3	36,3	17,3	20,0	17,0	8,3	5,3
500,0(*)	45,3	34,8	31,8	17,3	14,0	11,0	-10,4	-13,4

(*) Data above 500MHz is for reference only.

Max. Conductor DC Resistance at 20°C (Ω /Km)	<83
Rated Temperature(°C)	60
Velocity ratio	Approx 68,2%
Operating Temperature(°C)	-25/70
Impedance (Ω)	1-100MHz – (100±15)
	100-250MHz – (100±20)
	250-500MHz – (100±25)

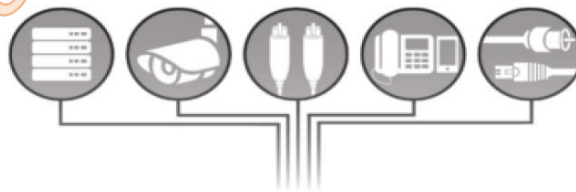
Ordering information code

OC-CVR-212215-22 ORCA - COPPER CABLE CAT 6A U/UTP LSZH - Dca - Orange

CE 1014
orca®
18 DoP No. 180076 EN50575: 2014 OC-CVR-212215-22
Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke. Reaction to Fire: Dca, s2, d2, a1 Dangerous Substance: None  www.orca.it

OC-CVR-212215-22

Cable Category 6A UTP LSZH 500m
Cavo Categoria 6A UTP LSZH 500m
Câble Catégorie 6A UTP LSZH 500m
Cable Categoria 6A UTP LSZH 500m
Kabel Kategorie 6A UTP LSZH 500m



VERIFIED PERFORMANCES
OF ANSI/TIA-568-C.2, ISO/IEC 11801

MADE IN CHINA

thank you for choosing ORCA Networking