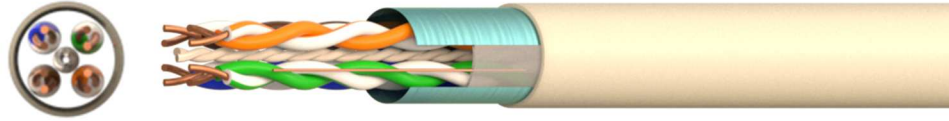


COPPER CABLE



# 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+; conforming to European regulation "CPR" EN 50575

Conductor:	Material	Bare Copper
	AWG Size	24 AWG – 0.50 ±0.01
	Filler	Cotton Rope
Insulation:	Material	HDPE
	Thickness	-
	Diameter	Nominal: 0.95 ±0.08mm x 2C Twist
	Pair colors	Bl/WhBl, Or/WhOr, Gr/WhGr, Br/WhBr
	Unaged Elogation	-
Screen	Unaged Tensile Strength	-
	Material	Total Mylar Spiral ≥115% – Al-Pet Shielded ≥115%
Drain Wire	Material	Tinner Copper T 0.40 ±0.008mm
Jacket:	Material	LSZH – CPR Eca
	Thickness	-
	Diameter	Nominal: 6.00 ±0.20 mm
	Color	White (RAL-9016)
	Unaged Elogation	-
	Unaged Tensile Strength	-
	Aging at 100°C for 168h	-
Marking	On cable (black – one per meter)	CABLE F/UTP CAT5E 4P AWG24 LSZH Eca - 212212-12 - 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 60332-1-2 (Fire Performance)
EN50173-1:2018 / EN 50173-2:2018	EN61034-2 (Smoke Density)
IEC61156-5:2012 (Ed.2.1);	EN60754-2 (Halogen Free)
EN50288;	EN 50575 (Reaction to fire)
ANSI/TIA-568.2-D:2018;	

### Electrical Characteristics and Performance

Frequency	ATTENUATION	NEXT	PSNEXT	RETURN LOSS	ACR-F	PSACR-F	ACR-N	PSACR-N
(MHz)	(dB/100m) Max.	(dB) Min.	(dB) Min.	(dB) Min.	(dB/100m) Min.	(dB/100m) Min.	(dB/100m) Min.	(dB/100m) Min.
4,0	4,1	56,3	53,3	23,0	52,0	49,0	52,2	49,2
10,0	6,5	50,3	47,3	25,0	44,0	41,0	43,8	40,8
16,0	8,3	47,2	44,2	25,0	39,9	36,9	39,0	36,0
31,25	11,7	42,9	39,9	23,6	34,1	31,1	31,1	28,1
62,5	17,0	38,4	35,4	21,5	28,1	25,1	21,4	18,4
100,0(*)	22,0	35,3	32,3	20,1	24,0	21,0	13,3	10,3

(\*) Data above 250MHz is for reference only.

Max.Conductor DC Resistance at 20°C ( $\Omega$ /Km)	<104.8
Operating Temperature Range (°C)	-25/70
Rated Temperature (°C)	60
Velocity ratio	69%
Impedance ( $\Omega$ )	1-100MHz – (100 $\pm$ 15)

### Ordering information code

OC-CVR-212212-12

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



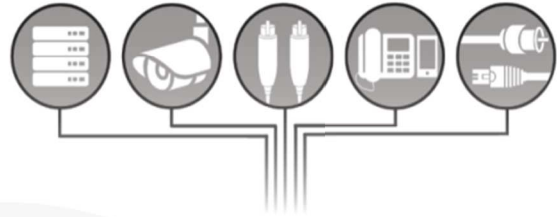
 1014

21 DoP No. 170551 EN50575: 2014 OC-CVR-212212-12
<p>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.</p> <p>Reaction to Fire: Eca          Dangerous Substance: None</p> <div style="text-align: center;">   <a href="http://www.orca.it">www.orca.it</a> </div>

# OC-CVR-212212-12

Cable Category 5e FUTP LSZH 305m  
 Cavo Categoria 5e FUTP LSZH 305m  
 Câble Catégorie 5e FUTP LSZH 305m  
 Cable Categoria 5e FUTP LSZH 305m  
 Kabel Kategorie 5e FUTP LSZH 305m

thank you for choosing ORCA Networking



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