

COPPER CABLE



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+; conforming to European regulation "CPR" EN 50575

Construction and characteristics:

Conductor:	Material	Bare Copper
	AWG Size	24 AWG – 0.54 ±0.01
	Filler	With "+" cross mould separate
Insulation:	Material	HDPE
	Thickness	Blue/Green 0.265mm - Orange/Brown 0.24mm
	Diameter	Nominal: 1.05 ±0.08mm x 2C Twist
	Pair colors	Bl/WhBl, Or/WhOr, Gr/WhGr, Br/WhBr
	Unaged Elongation	-
	Unaged Tensile Strength	-
Screen	Material	Mylar Spiral ≥115% and Al-Pet ≥115%
Drain Wire	Material	Tinned copper T0.40 ±0.008
	Material	LSZH – CPR B2ca (s1,d1,a1)
Jacket:	Thickness	Nominal: ≥0.65 mm - Average ≥0.70mm
	Diameter	Nominal: 7.60 ±0.40 mm
	Color	Magenta (RAL-4010)
	Unaged Elongation	-
	Unaged Tensile Strength	-
	Aging at 100°C for 168h	-
Marking	On cable (black – one per meter)	CABLE F/UTP Cat.6 250MHz 4PxAWG24 LSZH B2ca - s1a,d1,a1 – 212213-22 - 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 60332-1-2 (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)
TIA-568.2-D:2018;	CEI UNEL 36762 (C-4 - U ₀ =400V)

Electrical Characteristics and Performance

Frequency (MHz)	ATTENUATION (dB/100m) Max.	NEXT (dB) Min.	PSNEXT (dB) Min.	RET. LOSS (dB) Min.	ACR-F (dB/100m) Min.	PSACR-F (dB/100m) Min.	ACR-N (dB/100m) Min.	PSACR-N
4,0	3,8	66,3	63,3	23,0	56,0	53,0	62,4	59,4
10,0	6,0	60,3	57,3	25,0	48,0	45,0	54,3	51,3
16,0	7,6	57,2	54,2	25,0	43,9	40,9	49,6	46,6
20,0	8,5	55,8	52,8	25,0	42,0	39,0	47,3	44,3
31,25	10,7	52,9	49,9	23,6	38,1	35,1	42,1	39,1
62,5	15,5	48,4	45,4	21,5	32,1	29,1	32,9	29,9
100,0	19,9	45,3	42,3	20,1	28,0	25,0	24,4	22,4
155	25,3	42,4	39,4	18,8	24,2	21,2	17,1	14,1
175,0	27,1	41,7	38,7	18,4	23,1	20,1	14,6	11,6
200,0	29,1	40,8	37,8	18,0	22,0	19,0	11,6	8,6
250,0 (*)	33,0	39,3	36,3	17,3	20,0	17,0	6,3	3,3

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

Max. Conductor DC Resistance at 20°C (Ω /Km)	<97,6
Rated Temperature(°C)	60
Velocity ratio	70%
Operating Temperature(°C)	-25/70
Impedance (Ω)	1-100MHz – (100 \pm 15) 100-250MHz – (100 \pm 20)

Ordering information code

OC-CVR-212213-22 ORCA - COPPER CABLE CAT 6 F/UTP LSZH - B2ca - Magenta

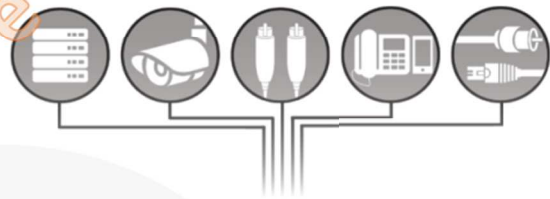
 0200

21 DoP No. 10061 EN50575: 2014 OC-CVR-212213-22
<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: B2ca, s1, d1, a1 Dangerous Substance: None</p> <div style="text-align: center;">  www.orca.it </div>

OC-CVR-212213-22

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

thank you for choosing ORCA Networking



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