

COPPER CABLE



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+; conforming to European regulation "CPR" EN 50575

Construction and characteristics:

Conductor:	Material	Bare Copper
	AWG Size	24 AWG – 0.52 ±0.01
	Filler	With "+" cross mould separate
Insulation:	Material	Solid PE
	Thickness	Blue/Green 0.25mm - Orange/Brown 0.225mm
	Diameter	Nominal: 1.03 ±0.08mm x 2C Twist
	Pair colors	Bl/WhBl, Or/WhOr, Gr/WhGr, Br/WhBr
	Unaged Elogation	-
	Unaged Tensile Strength	-
Screen	Material	Total Mylar Spiral ≥115% - Al-Pet Shilded ≥115%
Drain Wire	Material	Tinner Copper T 0.40 ±0.008mm
	Material	LSZH – CPR Dca (s2,d2,a1)
Jacket:	Thickness	Nominal: 0,55 mm
	Diameter	Nominal: 7.20 ±0.20 mm
	Color	White (RAL-9016)
	Unaged Elogation	-
	Unaged Tensile Strength	-
	Aging al 100°C for 168h	-
	Marking	On cable (black – one per meter)

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)
ANSI/TIA-568.2-D:2018;	CEI UNEL 36762 (C-4 - Uo=400V)

Electrical Characteristics and Performance

Freq. (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 (dB/100m) Min.
4	3,8	66,3	63,3	23,0	56,0	53,0	62,4	59,4
10	6,0	60,3	57,3	25,0	48,0	45,0	54,3	51,3
16	7,6	57,2	54,2	25,0	43,9	40,9	49,6	46,6
20	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	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	27,1	41,7	38,7	18,4	23,1	20,1	14,6	11,6
200	29,1	40,8	37,8	18,0	22,0	19,0	11,6	8,6
250 (*)	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±15) 100-250MHz – (100±20)

Ordering information code

OC-CVR-212213-12

COPPER CABLE CAT 6 F/UTP LSZH - Dca - White

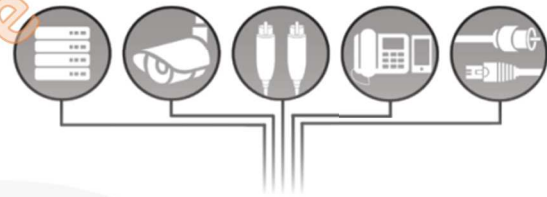
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19 DoP No. 170385 EN50575: 2014 OC-CVR-212213-12
<p>Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.</p> <p>Reaction to Fire: Dca, s2, d2, a1 Dangerous Substance: None</p> <div style="text-align: center;">  www.orca.it </div>

OC-CVR-212213-12

Cable Category 6 FUTP LSZH 305m
 Cavo Categoria 6 FUTP LSZH 305m
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 Cable Categoria 6 FUTP LSZH 305m
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VERIFIED PERFORMANCES
 OF ANSI/TIA-568-C.2, ISO/IEC 11801