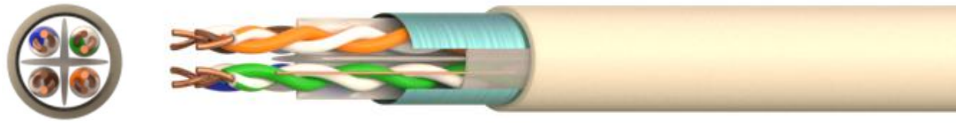


COPPER CABLE



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 Elongation	-
	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 ±0.30 mm
	Color	White (RAL-9016)
	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 Dca – 212213-12 - 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)
IEC61156-5:200(Ed. 3.0);	EN60754-2 (Halogen Free)
EN50288-6-1:2013;	EN 50399 - EN 50575 (Reaction to fire)
ANSI/TIA-568.2-D:2018;	CEI UNEL 36762 (C-4 - U ₀ =400V)

Environmental Sustainability

FSC Packaging Supporting responsible forestry	ZWTL-MS-2022 Zero Waste to Landfill Management System
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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	Approx 68%
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

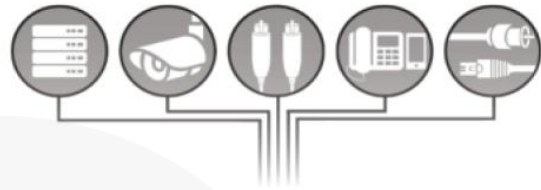


 1014

19 DoP No. 170385 EN50575: 2014 OC-CVR-212213-12
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-212213-12

Cable Category 6 FUTP LSZH 305m
 Cavo Categoria 6 FUTP LSZH 305m
 Câble Catégorie 6 FUTP LSZH 305m
 Cable Categoria 6 FUTP LSZH 305m
 Kabel Kategorie 6 FUTP LSZH 305m



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

thank you for choosing ORCA Networking

MADE IN CHINA