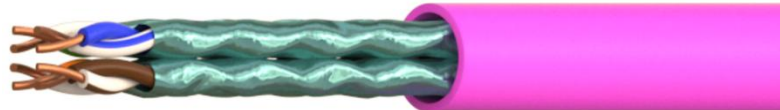


COPPER CABLE



COPPER CABLE CAT 6A U/FTP 23AWG LSZH - B2ca



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 – 0.56 ±0.01mm
	Filler	-
Insulation:	Material	Skin Foam PE-Skin
	Thickness	-
	Diameter	Nominal: 1.35 ±0.10mm x 2C Twist
	Pair colors	Bl/WhBl, Or/WhOr, Gr/WhGr, Br/WhBr
	Unaged Elongation	-
	Unaged Tensile Strength	-
Screen	Material	Al-PET shield on each pair ≥115%
Drain Wire	Material	Tinned copper T0.40 ±0.008
Jacket:	Material	LSZH – CPR B2ca (s1a,d1,a1)
	Thickness	Nominal: ≥0.65 mm - Average ≥0.70mm
	Diameter	Nominal: 7.60 ±0.30 mm
	Colour	Magenta (RAL-4010)
	Unaged Elongation	-
	Unaged Tensile Strength	-
	Aging at 100°C for 168h	-
Marking	On cable (black – one per meter)	CABLE U/FTP Cat.6A 500MHz 4PxAWG23 LSZH B2ca - s1a,d1,a1 – 212214-22 - 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)
IEC61156-5:2020 (Ed. 3.0)	EN60754-2 (Halogen Free)
EN50288-10-1:2012	EN 50399, EN 50575 (Reaction to fire)
ANSI/TIA-568-D:2018	CEI UNEL 36762 (C-4 - U ₀ =400V)

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	3,8	66,3	63,3	23,0	56,0	53,0	62,5	59,5
10,0	5,90	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
31,3	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)	<86
Rated Temperature(°C)	60
Velocity ratio	74,5%
Operating Temperature(°C)	-25/70
Impedance (Ω)	1-100MHz – (100±15)
	100-250MHz – (100±20)
	250-500MHz – (100±25)

Ordering information code

OC-CVR-212214-22 COPPER CABLE CAT 6A U/FTP LSZH - B2ca - Magenta

CE
0200

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18
DoP No. 18116AB
EN50575: 2014
OC-CVR-212214-22

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.

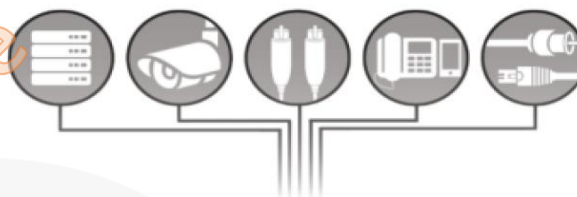
Reaction to Fire: B2ca, s1a, d1, a1
Dangerous Substance: None



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OC-CVR-212214-22

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



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

MADE IN CHINA

thank you for choosing ORCA Networking