COPPER CABLE

COPPER CABLE CAT 6 UTP 24AWG PVC/PE - Fca

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+;

Construnction and caratteristics:		
Conductor:	Material	Bare Copper
	AWG Size	24 AWG – 0.54 ±0.01
	Filler	With "+" cross mould separate
Insulation:	Material	HDPE
	Thickness	-
	Diameter	Nominal: 0.98 ±0.08mm x 2C Twist
	Pair colors	Bl/WhBl, Or/WhOr, Gr/WhGr, Br/WhBr
	Unaged Elogation	-
	Unaged Tensile Strength	-
Screen	Material	-
Drain Wire	Material	-
Jacket:	Material	Inner: PVC / Outer: PE – CPR Fca
	Thickness	-
	Diameter	Nominal; Inner: 5.80 ±0.30 mm / Outer: 7.40 ±0.25 mm
	Color	Inner: Gray (RAL-7044 / Outer: Black)
	Unaged Elogation	-
	Unaged Tensile Strength	-
	Aging al 100°C for 168h	-
		-
Marking	On cable (black – one per meter)	CABLE U/UTP Cat.6 250MHz 4PxAWG24 PVC/PE OUTDOOR Fca – 211213-04 - ISO/IEC 11801 ANSI/TIA-568-C.2 - CEI UNEL 36762 (C-4 - Uo=400V) - <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 50173-1:2018 / EN 50173-2:2018	
IEC 61156-5:2020 (Ed. 3.0);	
EN 50288-6-1:2013	
TIA-568.2-D:2018;	CEI UNEL 36762 (C-4 - Uo=400V)

Environmental Sustainability

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

Electrical Characteristics and Performance

Freq.	Attenuation	NEXT	PSNEXT	Ret. 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	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):	<91.3
Rated Temperature (°C):	60
Velocity ratio:	Approx. 68%
Temperature range (°C):	-40°/70° double sheat; -20°/70° single sheat;
Impedance(Ω)	1-100MHz – (100±15)
	100-250MHz – (100±20)

Sheath test voltage - 2.0 kVdc

Test method according to CEI UNEL 36762 with cable immersed in water for five minutes

Ordering information code

OC-CVR-211213-04	ORCA - COPPER CABLE CAT 6 U/UTP PVC/PE – Fca – Gray/Black

CE

orca®

19
DoP No. 190019
EN50575: 2014
OC-CVR-211213-04

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.

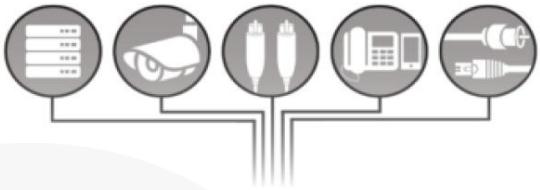
Reaction to Fire: Fca
Dangerous Substance: None

www.orca.it

thank you for choosing ORCA Networking

OC-CVR-211213-04

Cable Category 6 UTP PVC-PE 500m
Cavo Categoria 6 UTP PVC-PE 500m
Câble Catégorie 6 UTP PVC-PE 500m
Cable Categoria 6 UTP PVC-PE 500m
Kabel Kategorie 6 UTP PVC-PE 500m



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

MADE IN CHINA