

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+; 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	-
	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 - U₀=400V)

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

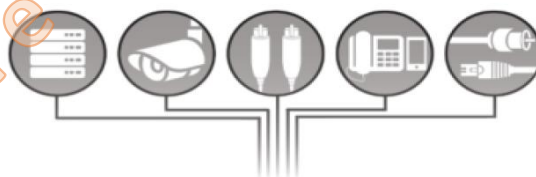




19 DoP No. 190019 EN50575: 2014 OC-CVR-211213-04
Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke. Reaction to Fire: Fca Dangerous Substance: None  www.orca.it

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

thank you for choosing ORCA Networking