

COPPER CABLE



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



Application:

Outdoor 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+;

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	Inner: PVC / Outer: PE – CPR Fca
Jacket:	Thickness	-
	Diameter	Nominal; Inner: 7.20 ±0.30mm / Outer: 8.80 ±0.25mm
	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)

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 50288-5-1:2013

TIA-568.2-D:2018

CEI UNEL 36762 (C-4 - U₀=400V)

Environmental Sustainability

FSC Packaging Supporting responsible forestry

ZWTL-MS-2022 Zero Waste to Landfill Management System

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)

PVC/PE: -40/70; PVC only: -20/70

Impedance (Ω)

1-100MHz – (100 \pm 15)

100-250MHz – (100 \pm 20)

Ordering information code

OC-CVR-211313-04

ORCA - COPPER CABLE CAT 6 F/UTP PVC/PE – Fca - Black



CE
orca[®]
19 DoP No. 190020 EN50575: 2014 OC-CVR-211313-04
<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: Fca Dangerous Substance: None</p>  <p>www.orca.it</p>



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



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

thank you for choosing ORCA Networking

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