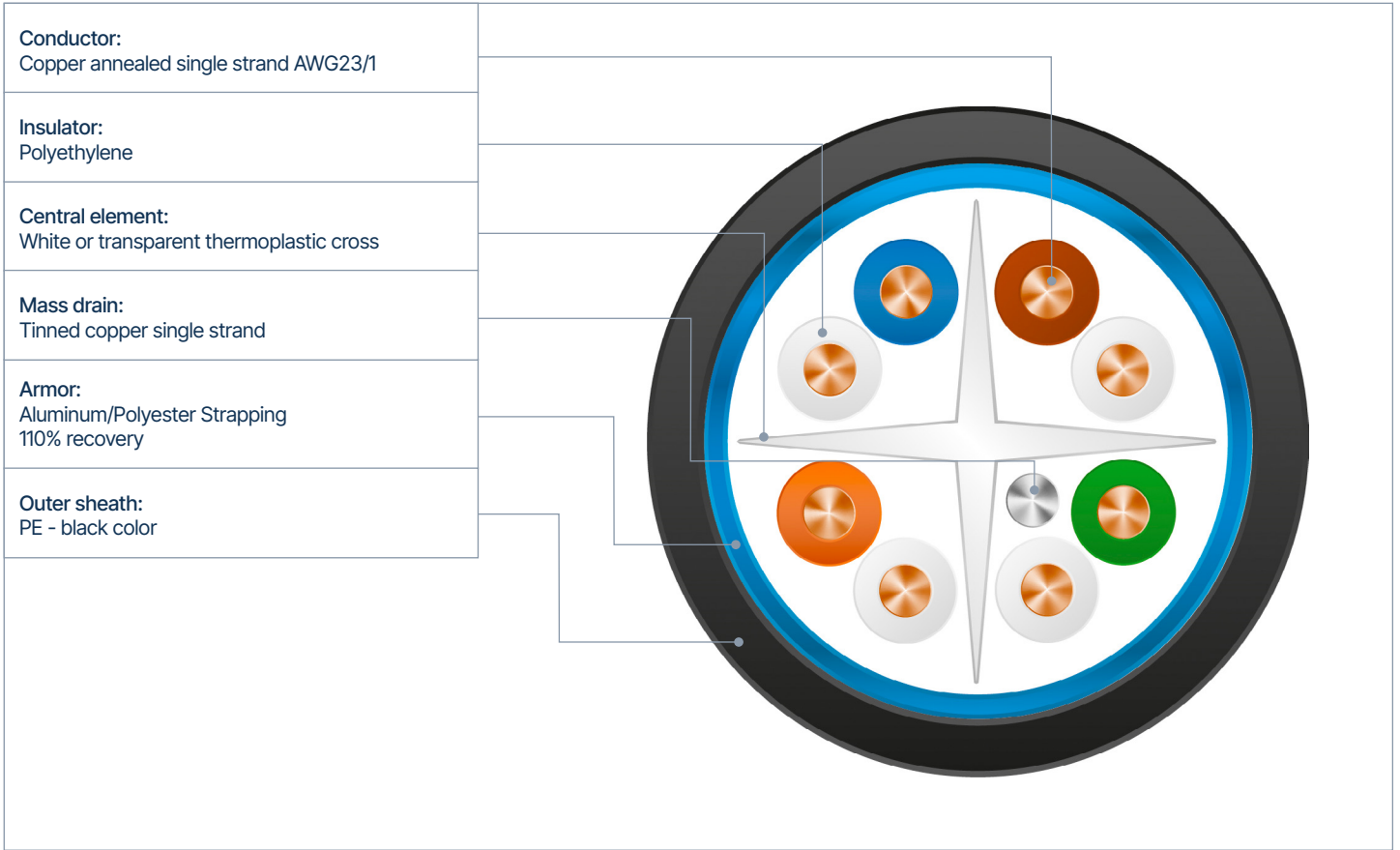


FxP6PE

100 Ω Cable - F/UTP 4 pairs - Cat 6 - 250 MHz - PE Sheath



FT 4 27/05/2024 EP

PRODUCT INFORMATION

APPLICATION

This shielded F/UTP (Foiled twisted pairs) cable, which is used in a horizontal configuration, forms the basis of a V.D.I network. (Voice-Data-Image) at very high speed. Its shielding allows for use in noisy environments and ensures optimal operation up to 250 MHz. Its internal structure provides significant margins with all current standards. This cable is used in the transmission of digital and analog signals for voice, data transmission, and video links.

SUPPORTED NETWORK APPLICATIONS

- ISDN
- ETHERNET 10 Base T - Ethernet
- TOKEN RING 4/16 Mbits
- ETHERNET 100 Base Tx, 100 Base T4 - Fast Ethernet
- ETHERNET 1000 Base T - Gigabit Ethernet
- 100 VG-AnyLAN
- TP-PMD/TP-DDI
- ATM 155, 622Mbits/s and 1,2Gbits/s
- IEEE 802.3 af - Power Over Ethernet

STANDARDS

CABLE SYSTEM IEC 61156-5
ISO 11801 Edition 2 - CLASS E

ELECTRICAL PROPERTIES

Linear electrical resistance:	≤ 95 Ω / Km
Mutual capacity	52 pF / m
Characteristic impedance:	100 Ω
Propagation speed:	66 %

FEATURES




	Fire resistance: EN 50575 :2014 + A1 :2016 Fca
	Temperature holding: - 20° C / + 70° C
	Minimum radius of curvature: 10 x cable diameter
	In compliance with RoHS directive

TRANSMISSION PERFORMANCES @20°C

Freq (MHZ)	ATTENUATION (dB/100m)		NEXT (dB)		PS NEXT (dB)		ELFLEXT (dB/100m)		PSELFLEXT (dB/100m)		RETURN LOSS (dB)	
	(*) Standard	IDC	Standard	IDC	Standard	IDC	Standard	IDC	Standard	IDC	Standard	IDC
4	3.8	3.5	66.3	69	63.3	67	55.8	67	52.8	64	23.0	25
10	6.0	5.5	60.3	63	57.3	62	47.8	60	44.5	57	25.0	28
16	7.6	6.9	57.2	60	54.2	58	43.7	66	40.7	63	25.0	28
31.25	10.7	9.8	52.9	55	49.9	53	37.9	51	34.9	48	23.6	27
62.5	15.5	13.9	48.4	51	45.4	49	31.9	43	29.1	40	21.5	25
100	19.9	17.5	45.3	48	42.3	47	27.8	40	24.8	37	20.1	25
200	29.1	25.3	40.8	44	37.8	52	21.8	34	18.8	31	18.0	24
250	33.0	28.3	39.3	42	36.3	41	19.8	27	16.8	24	17.3	23

(*)Standard: Following values according to IEC 61156-5

ARTICLE DATA

	Pairs	AWG	Øext (mm)	Kg/Km 	
F4P6PE	4	23/1	7.0	50	T500 m