



Construction

Conductor	Bare copper wire Gauge: AWG23
Insulation	FoamSkin PE (Foam polyethylene) Diameter: 1,4 mm
Assembly	Individually screened twisted pairs laid up together
Pair Screen	Aluminium/Polyester tape
Outer sheath	PE (Polyethylene) Colour: Black

Technical characteristics

Outer diameter	7 mm
Weight	45 Kg/Km
Operating T^a (conductor)	Fixed installation: -20°C to +60°C During installation: 0°C to +50°C
Min. bending radius	Fixed installation: 4xD During installation: 10xD
Loop resistance	154 Ohm/Km
Insulation resistance	5000 MOhm*Km
Mutual capacitance	43 pF/m Approx.
Characteristic Impedance	100 Ohm Approx.
Velocity of propagation	79%
Propagation delay	Nominal 427 ns/100m
Test Voltage	1000 V
Transfer Impedance	50 mOhm/m (a 10 MHz)
Coupling attenuation	55 dB
Segregation class	c

Application

Shielded Category 6A data transmission cable for local area networks (LAN) in outdoors installations. Suitable for direct burial provided an appropriate sand bed is available and no additional mechanical protection is required. Primary (Campus), Secondary (Riser), Tertiary (Horizontal). For Telephone Systems, Ethernet, Fast Ethernet and Gigabit Ethernet applications, 10BaseT, 100BaseT, 1000BaseT, 1GBase-T up to 1,000 Mbit/s. Suitable for PoE and PoE+ on a channel length of up to 100 m, TPDDI, ATM, CATV, IP cameras, broadband video, SOHO cabling.

*CPR:

Cable apto para instalarse bajo los requerimientos de la normativa CPR (Construction Product Regulation (EU) N°305/2011) de acuerdo con la clasificación (Euroclase) especificada en el presente documento.

Standards / Properties

Ref. for construction/drawing	EN50173-1; EN50288-10-1, ISO/IEC11801; IEC61156-5 e IEEE802.3af/at/bt.
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Tabla de artículos

Code	Cable	Supply
14450110	U/FTP Cat.6A 4x2xAWG23 PE	Drums 500mts

Tabla de colores

N° de PAR	Conductor A	Conductor B
1	Blue	White
2	Orange	White
3	Green	White
4	Brown	White

Datos eléctricos

Frec.(MHz)	**Atenuación	*NEXT	*PSNEXT	**ACR	**PS-ACR	**ACRF	**PS-ACRF	*RL
1	1.8	100	97	98	95	105	102	-
4	3.3	100	97	97	94	105	102	27
10	5.1	100	97	95	92	97	94	30
16	6.5	100	97	94	91	93	90	30
20	7.2	100	97	93	90	91	88	30
31.2	9.1	100	97	91	88	87	84	30
62.5	13.2	100	97	87	84	81	78	30
100	17	100	97	83	80	77	74	30
125	19.2	95	92	76	73	75	72	26
155.5	21.7	93	90	71	68	73	70	26
175	23.1	93	90	70	67	72	69	25
200	25	92	89	67	64	71	68	25
250	28.3	90	87	62	59	69	66	24
300	31.5	89	86	58	55	67	64	24
400	37.2	87	84	50	47	65	62	23
500	42.5	86	83	44	41	63	60	22

Unidades: * = dB / ** = dB/100m

Frec.(MHz)

Frequency