



Construction

Conductor	Bare copper wire Gauge: AWG23
Insulation	FoamSkin PE (Foam polyethylene) Diameter: 1,15 mm Approx.
Assembly	Twisted pairs laid up together
Outer sheath	Halogen free compound Colour: Blue

Technical characteristics

Outer diameter	7.1 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	165 Ohm/Km
Insulation resistance	2000 MOhm*Km
Mutual capacitance	43 pF/m Approx.
Velocity of propagation	66%
Test Voltage	1000 V
Segregation class	c

Application

Halogen free Category 6A data transmission cable for Local Area Networks (LAN), 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 suitable for installation under the requirements of CPR (Construction Product Regulation (EU) No. 305/2011) according to the classification (Euroclass) specified in this document.

Standards / Properties

Ref. for construction/drawing	EN50173; EN50288-11-1, ISO/IEC11801; IEC61156-5 e IEEE802.3af/at/bt
CPR Classification (Euroclass)	Dca-s2,d2,a1 (According to UNE-EN 50575)
Flame Retardant	UNE-EN 603332-1 (IEC 60332-1)
Halogen free	UNE-EN 60754-1 (IEC 60754-1)
Low corrosivity	UNE-EN 60754-2 (IEC 60754-2) (pH >= 4,3 ; conductivity <= 10µS/mm)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Tabla de artículos

Code	Cable	Supply
14450107	U/UTP Cat.6A 4x2xAWG23 LSHF	Drums 500mts

Tabla de colores

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

Datos eléctricos

Frec.(MHz)	**Atenuación	*NEXT	*PSNEXT	**ACRF	**PS-ACRF	**ACRF
1	2.1	75.3	72.3	68	65	20
4	3.8	66.3	66.3	56	53	23
10	5.9	60.3	57.3	47	45	25
16	7.5	57.2	54.2	43.9	40.9	25
20	8.4	55.8	52.8	42	38	25
31.2	10.5	52.9	49.9	38.1	35.1	24
62.5	15	48.4	45.4	32.1	29.1	22
100	19.1	45.3	42.3	28	25	20
125	21.5	43.8	40.8	26.1	23.1	19
155.5	24.1	42.1	39.4	24.2	21.2	19
175	25.7	41.7	38.7	23.1	20.1	18
200	27.6	40.8	37.8	22	19	18
250	31.1	39.3	36.3	20	17	17.3
500	45.3	34.8	31.8	14	11	17.3

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

Frec.(MHz)

Frequency