



Construction

Conductor	Bare copper wire 23 AWG
Insulation	Foam PE
Assembly	Two insulated conductors twisted together as a pair
Individual screen	Aluminium/Polyester tape in "S" shape helically applied on two pairs covering each of them individually
Overall screen	Aluminium/Polyester tape helically applied
Outer sheath	Halogen free compound Colour: Light blue

Technical characteristics

Outer diameter	6,9 mm
Weight	47 Kgs/Km
Operating T^a (conductor)	0°C + 50°C (during installation) -20°C + 60°C (service)
Min. bending radius	8xD (during installation) 4xD (service)

Application

Category 6A shielded halogen free data transmission cable for local area networks (LAN). Designed to exceed the criteria of the ISO / IEC, TIA and CENELEC standards for category 6A and to facilitate installation thanks to its small diameter and weight.

Typical applications:

- 1000 BASE-T Gigabit Ethernet
- 10G BASE-T 10 Gigabit Ethernet
- 1.2 / 2.4 ATM Gbs
- Analog and digital video
- IEEE 802.3af Power over Ethernet (PoE)
- IEEE 802.3at Power over Ethernet Plus (PoE [more])

* CPR:

Cable suitable to be installed under the requirements of the CPR (Construction Product Regulation (EU) N ° 305/2011) in accordance with the classification (Euroclass) specified in this document.

Standards / Properties

Ref. standard for drawing	IEC 61156-5 Ed2.0 (Augmented Category 6A)
CPR Classification (Euroclass)	Dca-s2,d2,a2 (According to UNE-EN 50575)
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Halogen free	UNE-EN 60754-1 (IEC 60754-1)
Low smoke emission	UNE-EN 61034 (IEC 61034)



Article table

Code	Cable	Supply
14650010	F/FTP Cat.6A 4x2xAWG23 LSHF	Drums 500mts

Colour table

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

Electrical data

Frec.(MHz)	Aten.(**)	RL(**)	NEXT(*)	ACR-F(**)	PSNEXT(**)	PSACR-F(*)	Delay skew Max. (ns/100)	Prop. Delay Max. (ns/100m)
1	-	20	-	-	-	-	-	-
4	3.8	23	66.3	56	63.3	53	45	552
10	5.9	25	60.3	48	57.3	45	45	545.4
16	7.5	25	57.2	43.9	54.2	40.9	45	543
20	8.4	25	55.8	42	52.8	39	45	542
31.25	10.5	24.3	52.9	38.1	49.9	35.5	45	540.4
62.5	15	23.6	48.4	32.1	45.4	29.1	45	538.6
100	19.1	21.5	45.3	28	42.3	25	45	537.6
200	27.6	18	40.8	22.2	37.8	19	45	536.5
250	31.1	17.3	39.3	20	36.6	19	45	536.3
300	34.3	17.3	38.1	18.5	35.1	15.5	45	536.1
400	40.1	17.3	36.3	16	33.3	13	45	535.8
500	45.3	17.3	34.8	14	31.8	11	45	535.6

Units: * = dB / ** = dB/100m

Frec.(MHz) Frequency
Aten.()** attenuation
RL()** Return loss
NEXT(*)
ACR-F()**
PSNEXT()**