



Construction

Conductor	Bare copper wire 23 AWG (0,58mm Aprox.)
Insulation	Foam polyethylene Nominal diameter: 1,38mm
Assembly	Two insulated conductors twisted together as a pair
Individual screen	Aluminium/Polyester tape on each pair
General assembly	4 individually shielded twisted pairs laid up together
Overall screen	Tinned copper wire braid
Outer sheath	Halogen free compound Colour: Orange

Technical characteristics

Outer diameter	7,8 mm
Weight	55 Kgs/Km
Operating T^a	Fixed installation: -20°C to +60°C During installation: 0°C to +50°C
Min. bending radius	Fixed installation (without load): 4xD During installation (with load): 8xD
Conductor resistance	73 Ohm/Km (20°C)
Characteristic Impedance	100 ± 15 Ohm (1-250 MHz) 100 ± 20 Ohm (250-500 MHz) 100 ± 25 Ohm (500-1000 MHz)

Application

Shielded Category 7A halogen free data transmission cable for local area networks (LAN):

- 10 BASE-T Ethernet
- 100 BASE-TX Fast Ethernet
- 1000 BASE-T Gigabit Ethernet
- 10G BASE-T 10 Gigabit Ethernet
- 1.2/2.4 Gbs ATM
- Video analógico y digital

* 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. standard for drawing	IEC 61156-5; ISO 11801; EN 50173; ANSI/TIA-568-C
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
14650136	S/FTP Cat.7A 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.(**)	NEXT(*)	ACR-F(**)	PSNEXT(**)	PSExNEXT(**)	PSExACR-F(*)	RL(**)
1	2.1	78	78	75	67	67	-
4	3.7	78	78	75	67	67	23
10	5.8	78	78	75	67	67	25
62.5	14.6	78	69.4	75	67	57.3	21.5
100	18.5	75.4	65.3	72.4	67	53.2	20.1
155	23.2	72.5	61.5	69.5	67	49.4	18.8
200	26.5	70.9	59.3	67.9	67	47.2	18
300	32.7	68.2	55.8	65.2	67	43.7	17.3
400	38	66.4	53.3	63.4	67	41.2	17.3
600	47.1	63.7	49.7	60.7	65.8	37.6	17.3
800	54.9	61.9	47.2	58.9	64	35.1	16.1
1000	61.9	60.4	45.3	57.4	62.5	33.2	15.1

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

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