Cervicom Data F/UTP 5e LSHF PATCH CPR
Structured cabling. Flexible cables.

Construction

Conductor	Stranded Bare copper wires
	Diameter: 0,48 mm (AWG26/7)
Insulation	Polyethylene
	Diameter: 0,95 mm
Assembly	4 twisted pairs laid up together
Overall screen	Aluminium/polyester tape + tinned copper drain wire (AWG26)
Outer sheath	Halogen free compound
	Standard colour: Grey (RAL 7035)

Outer diameter	5,4 mm
Weight	25 Kg/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): 20mm / During installation (with load): 40mm
Loop resistance	260 Ohm/Km Max.
Resistance unbalance	3% Max.
Insulation resistance	5000 MOhm*Km Min. (500V)
Mutual capacitance	Nominal 48 pF/m (at 800Hz)
Capacitance unbalance	1200 pF/Km Max. (Pair-Ground)
Characteristic Impedance	100 ± 5 Ohm (at 100 MHz)
Velocity of propagation	67%
Propagation delay	Nominal 535 ns/100m
Test Voltage	1000 V (DC, 1 min)
Transfer Impedance	-
Coupling attenuation	55 dB Min.
Segregation class	50 mOhm/m Max. at 1MHz / 100 mOhm/m Max. at 10MHz / 200 mOhm/m Max. at 30MHz

Application

Flexible halogen-free shielded cable for Category 5e data transmission in local area networks (LAN), suitable for the work area (computers) and panel wiring: IEEE 803.3: 10Base-T, 100Base-T, 1000Base-T, IEEE 802.5 16Mb; ISDN; TPDDI; ATM

*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. standard for drawing	TIA/EIA 568-B.2; ISO/IEC 11801; IEC 61156-6; EN 50173-1; EN 50288-2-2
Flame Retardant	UNE-EN 60332-1 (IEC 60332-1)
Halogen free	UNE-EN 60754 (IEC 60754)
Low smoke emission	UNE-EN 61034 (IEC 61034)
CPR Classification (Euroclass)	Eca (According to UNE-EN 50575)

Code:
Family: 1445
Revision: 2
Date: 13/11/2020

Realized: **Approved:**

Article Table

Code	Cable	Supply
14450006	F/UTP Cat.5e 4x2xAWG26 LSHF PATCH	Drums 500mts

Colour table

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

Electrical Data

Frec.(MHz)	** Attenuation	*NEXT	*PSNEXT	**ACRF	**PS-ACRF	*RL
1	3	71	68	68	65	23
4	6	62	59	56	53	23
10	10	56	53	48	45	23
16	12	53	50	44	41	23
20	14	51	48	42	39	23
31.2	17	49	46	38	35	23
62.5	25	44	41	32	29	23
100	32	41	38	28	25	23
125	33	40	37	26	23	23
155.5	36	38	35	24	21	23
175	39	37	34	23	20	-
200	41	36	33	22	19	-
250	44	35	32	20	17	-
300	48	34	31	16	13	-

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

Frec.(MHz) Frequency

Code:
Family: 1445
Revision: 2
Date: 13/11/2020

Realized: **Approved:**