CERVICOM DATA U/UTP Cat.6 LSHF PATCH CPR
Structured cabling. Flexible cables.

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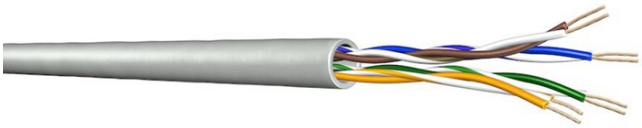

Construction

Conductor	Flexible bare copper wires
	Gauge: AWG26
Insulation	Polyethylene
	Diameter: 1 mm Approx.
Assembly	Twisted pairs
Outer sheath	Halogen free compound
	Colour: Grey

Technical characteristics

Operating Tª (conductor)	Fixed installation: -20°C a +60°C
	During installation: 0°C a +50°C
Min. bending radius	Fixed installation (without load): 4xD
	During installation: 10xD
Loop resistance	340 Ohm/Km Max.
Insulation resistance	5000 MOhm*Km Min.
Mutual capacitance	48 pF/m Nominal
Characteristic Impedance	100 Ohm Nominal
Velocity of propagation	79%
Propagation delay	427 ns/100m Max.
Test Voltage	1000 V
Transfer Impedance	-
Coupling attenuation	40 dB
Segregation class	C (EN 50174-2)

Application

Flexible halogen-free Category 6 patch cable for use in local area networks (LAN) in the work area and panel cabling (not recommended for fixed installation). For Telephone Systems, Ethernet, Fast Ethernet and Gigabit Ethernet applications, 10BaseT, 100BaseT, 1000BaseT, 1GBase-T up to 1,000 Mbit/s, ISDN; TPDDI applications. Suitable for PoE and PoE+ on a channel length of up to 60 m.

* 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

Reference standards	EN50173-1, EN50288-6-2, ISO/IEC11801, IEC61156-6 e IEEE802.3af/at/bt
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)

flame retardant · halogen free · low corrosivity · low smoke opacity · flexible cable · CE · RoHS compliant · CPR compliant EN 50575

[6909]

CERVI, S.L. C/Libra 61, Pol.Ind.Can Parellada, 08228 Terrassa, Barcelona, cervi@cervi.es

Code: 14450109
Family: 1445
Revision: 0
Date: 13/11/2024

Realized:

Approved:

Article table

Code	Cable	Ø (mm)	Weight (kg/km)
14450109	U/UTP Cat.6 4x2xAWG26 LSHF PATCH	5,2	34

Colour table

PAIR N°	Conductor A	Conductor B
1	Azul	Blanco
2	Naranja	Blanco
3	Verde	Blanco
4	Marrón	Blanco

Datos eléctricos

Frec.(MHz)	** Atenuación	*NEXT	*PSNEXT	ACR(**)	PS-ACR(**)	**ACRF	**PS-ACRF	*RL
1	3	87	84	87	84	75	72	23
4	6	78	75	77	74	75	72	23
10	9	72	69	71	68	75	72	23
16	12	69	66	68	65	71	68	23
20	13	68	65	67	64	69	66	23
31.2	16	65	62	63	60	65	62	23
62.5	24	60	57	58	55	59	56	23
100	31	57	54	54	51	55	52	23
125	34	56	53	53	50	53	50	21
155.5	39	54	51	50	47	51	48	21
175	42	54	51	50	47	50	47	21
200	45	53	50	48	45	49	46	21
250	51	51	48	46	43	47	44	
300	56	50	47	44	41	45	42	
400	66	48	45	41	38	43	40	

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

Frec.(MHz) Frequency
ACR(**)
PS-ACR(**)

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