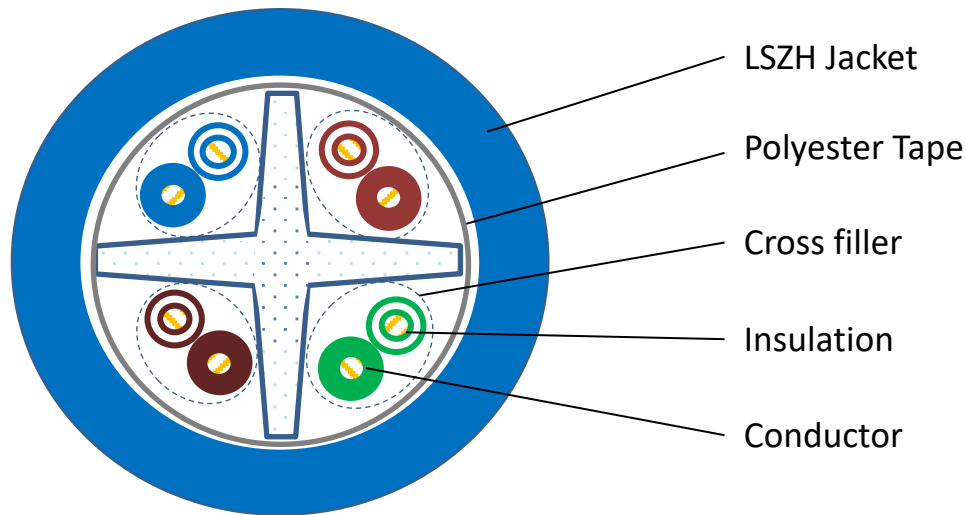


link DATA SHEET

Category 6 U/UTP CPR Cca Cable LSZH Jacket



Description

Our Cat6 range of LAN cable is made in accordance to the American, European and International standards. Suitable for a wide range of applications, the Category 6 U/UTP Lan cable, offers an AWG24 Bare copper conductor, a central Cross, an overall special barrier tape and LSZH Jacket. This advanced line of products can be customized to meet specific performance demands.

Features

Conductor	Bare annealed copper solid AWG 24/1
Conductor Dia. ($\pm 0.01\text{mm}$)	0.51
Insulation	HDPE
Average Thickness(mm)	0.21
Insulation Dia. ($\pm 0.05\text{mm}$)	0.92
Twisting Lay Length(mm)	30 underneath
Cabling Lay Length(mm)	200 underneath
Filler(CROSS)	PE
PET	YES
Barrie tape	YES
Jacket	LSZH
CPR class (EN50575)	B2ca-s1a,d0,a1
Average Thickness($\pm 0.05\text{mm}$)	0.50
Min. Point Thickness(mm)	0.40
Outer Dia. ($\pm 0.2\text{mm}$)	5.90
Rip Cord	optional

Application

100Base-T4, 100Base-Tx;100VG-Anylan, 1000Base-T
1000Base-Tx;155Mbps;ATM;622Mbps ATM

The CPR Cca Classification (Flaming Test according to EN50575) defines a specific field of installation and level of risk such as high-risk buildings, hospitals or high-rise buildings with large numbers of occupants. Therefore, every EU member are responsible to determine their own minimum class for Installations.

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Specification

- Horizontal Wiring in LAN
- 10/100/1000 Base-t
- 1000Base-TX
- ATM
- FDDI
- VIDEO

Flaming Test: (EN50575)

Cca-s1a,d0,a1

Insulation Colours

Pair 1	Blue	White - Blue
Pair 2	Orange	White - Orange
Pair 3	Green	White - Green
Pair 4	Brown	White - Brown

Electrical Properties

Impedance (ohms)@1-250MHZ	100 ± 15
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Min Insulation Resistance (Mohm*KM)	5000
Pair-to-Ground Capacitance Unbalance (pF/90m)	<=330
Nominal velocity of propagation (for information only) 0.60c(10MHZ)	
Max. Delay Skew (ns/100m)	45
Mutual Capacitance (nf/100m)	5.6
Resistance Unbalance within a pair/between pairs (%)	2% or 4%
Dielectric strength cond. --cond.(1 min)	1kV DC
Smoke density acc to IEC61034-1/2 Transmittance	>80%
Amount of Hologen acid ga acc.to IEC60754-1/2	PH>4.3
Conductivity	<2.5us/mm
Mechanical characteristics	
Elongaton at break of the conductor	>=10%
Min. Elongation at break of the sheath	>100%
Tensile strength of Sheath	>101%
Min bending radius	8xOD

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Electrical Characteristics

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	Return Loss >=dB
1	2,0	74,3	72,3	20,0
4	3,8	65,3	63,3	23,0
10	6,0	59,3	57,3	25,0
16	7,6	56,2	54,2	25,0
20	8,5	54,8	52,8	25,0
31,25	10,7	51,9	49,9	23,0
62,5	15,4	47,4	45,4	21,0
100	19,8	44,3	42,3	19,0
200	29	39,8	37,8	16,4
250	32,8	38,3	36,3	15,6

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	DELAY (dB/100m)
1	67,8	64,8	570,0
4	55,8	52,8	552,0
10	47,8	44,8	545,5
16	43,7	40,7	543,0
20	41,8	38,8	542,0
31,25	37,9	34,9	540,4
62,5	31,9	28,9	538,6
100	27,8	24,8	537,6
200	21,8	18,8	536,5
250	19,8	16,8	536,3

Order information

P/N:

Packaging

- Wooden Drums: 500 m
- Custom packaging Upon Request

Products	Inner Size	Height mm
AWG24 U/UTP Cat6	400x360	380