



2010
2012

LAN CABLES



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SF/UTP CATEGORY 5E LAN CABLE

General Specification and information

For fixed application, this cable is in 4-pair with conductors in 24AWG/34AWG*7 pure copper conductor with insulation of HD polyolefin, grouped under Polyester tape and Al-foil/polyester tape + metal wire braid. protected by a thermoplastic and non-flame propagating sheath colored according to customer's special request.

this cable is used for high speed transmission of voice and data between central and peripheral system for frequencies up to 100MHz,

Standard	Application
ISO/IEC 11801-2Ed	10/100BASE(TIEEE 802.3)
ANSI TIA/EIA 568-B.2	ATM, TP-PMD, ANSI X39T.5(TP), LSDN, TP-DDI
EN 50173	ETHERNET, 1000BASE-T
EN-50288-3-1	GIGABIT-ETHERNET
	Token Ring(IEEE802.5)

Electrical Specifications

Dielectric strength:	2.5KV dc-2seconds
conductor resistance:	Max 9.380hm/100mt at 20°C
Max. ring resistance	16.8 Ohm/100mt at 20°C
Max. mutual capacitance	560pf/100mt
Max. capacity unbalance	330 pf/100mt
standard impedance	100 ± 15 Ohm between 1Mhz and 100 Mhz
Minimum bending radius	55 mm
Working temperatures	-20 ~ 60°C

Frequency (Mhz)	RL (dB)	ATT (dB/100)	NEXT (dB)	PS-NEXT (dB)
0.772	20	1.8	67	64
1MHz	20	2	65.3	62.3
4MHz	23	4.1	56.3	53.3
8MHz	24.5	5.8	51.8	48.8
10MHz	25	6.5	50.3	47.3
16MHz	25	8.2	47.3	44.3
20MHz	25	9.3	45.8	42.8
25MHz	24.3	10.4	44.3	41.3
31.25MHz	23.3	11.7	42.9	39.9
62.5MHz	20.7	17	38.4	35.4
100MHz	19	22	35.3	32.3

Manufacturing Specifications

Code	Description	Inner conductor	Insulation	Pairs color code	Sheath
	SF/UTP Cat5e	Pure copper	PE	Blue-blue/white	CM(CMG); CMR; LSOH;
				Orange-Orange/white	
1323	4*2 24AWG/1	AWG 24		Green-green/white	
1423	4*2 34AWG/7	AWG 26		Brown-brown/white	

Packing Information

file No.	manufacturing	cable size
1	upon orders	100mt/reel
2	standard	305mt/reel
3	upon orders	500mt/reel
3	upon orders	1000mt/reel