Lan Cable / Network Cable

F/UTP CAT 6 LSZH (NO. 7112216)

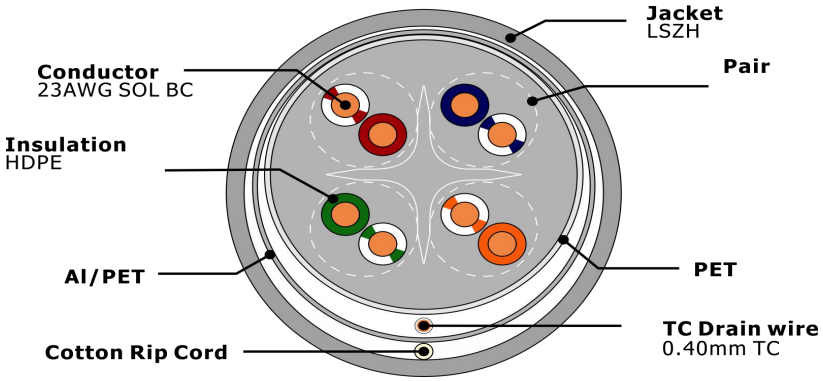
Construction

Conductor:	0.57±0.005mm Solid Bare Copper
Pairs:	4 Pairs
Insulation:	1.02±0.05 mm HDPE
Insulation Colors:	Blue-White/Blue,Orange-White/Orange Green-White/Green,Brown-White/Brown
Cross Section	Modified Polyethylene
Shield 1	PET Foil
Drain Wire	0.4mmTC/0.5mm CCS
Shield 2	Al/PET Foil, Foil Face Out
Rip Cord:	Cotton or Fibre
Out Jacket:	7.4±0.3 mm LSZH

※ Conductor from 0.56mm-0.57mm all can pass Fluke test, the Headroom of 0.57mm is bigger than 0.56mm

Cross Section

F/UTP CAT 6 BC LSZH



COMPLIANCE （Reference Standard and Certificates)

- ISO/IEC 11801-1 Ed.1.0
- ANSI/TIA-568-C.2 、 ANSI/TIA-568.2-D
- UL444、UL1581、UL1666、IEC60332-1、EN50399

Lan Cable / Network Cable

Application Support

- 1000BASE-T 、 1000BASE-TX、100BASE-T 、 100BASE-TX、100VG-AnyLAN、ATM
- 1Volp、ISDN、 Token、 100MTPPDM、 Analogand Datavideo、 POE Type1,2,3,4

Electrical Characteristics

DC Resistance	＜9.38 Ohms/100m @20℃
DC Resistance unbalance	5% @ 20℃
Mutual Capacitance	5.6 nF/100m
Characteristic Impedance	1 - 100 MHz : 100±15 Ohms 100 - 250 MHz : 100±20 Ohms
Max Frequency	250MHz
Capacitance Unbalance	330 pF/100m
NVP(传输速率）	63%
Delay Skew	≤ 45ns/100m

PHYSICAL PROPERTIES

Pulling Tension(Max)	≥13.5Mpa
Bend Radius(Min)	8×OD of Jacket
Operating Temperature	-30 to 50 ℃ （-22 to 122℉）

Performance Characteristics

Frequency	RL (Min.)	Insertion Loss(Max.)	Propagation Delay (Max.)	Delay Skew(Max.)	NEXT (Min.)	PSNEXT (Min.)	ELNEXT (Min.)	PSELNEXT (Min.)
MHz	dB	dB/100m	ns/100m	ns/100m	dB	dB	dB/100m	dB/100m
1	20.0	2.0	570.0	45.0	74.0	72.0	67.8	64.8
4	23.0	3.8	552.0	45.0	65.0	63.0	55.7	52.7
10	25.0	6.0	545.0	45.0	59.0	57.0	47.8	44.8
16	25.0	7.6	543.0	45.0	56.0	54.0	43.7	40.7
20	25.0	8.5	542.0	45.0	55.0	53.0	41.7	38.7
31.25	23.6	10.7	540.0	45.0	52.0	50.0	37.9	34.9
62.5	21.5	15.4	539.0	45.0	47.0	45.0	31.8	28.8
100	20.1	19.8	538.0	45.0	44.3	42.3	27.8	24.8
200	18.0	29.0	537.0	45.0	39.7	37.7	21.7	18.7
250	17.3	32.8	536.0	45.0	38.0	36.0	19.8	16.8

※Note: The above transmission performance tor the 100M, 20±2℃ under the conditions tested.

Lan Cable / Network Cable

Order Informations

Marking	HELLOSIGNAL NO.7112216 F/UTP CAT6 4PR 23AWG LSZH ...305M(1000FT) (or Per customer's request)
Inner Package	305m/Spool,305m/Reel (or Per customer's request)
Outer Package	Color Box, Pallet (or Per customer's request)
Delivery time	Normally 25 days after received the deposit.
Brand	HELLOSIGNAL® OR OEM