

F/UTP CAT6 Twisted Pair Installation Cable

LAN CABLE

NO. 7112213



Construction

Conductor:	23 AWG Solid Bare Copper
Pairs:	4 Pairs
Insulation:	1.02 mm HDPE
Insulation Colors:	Blue-White/Blue, Orange-White/Orange Green-White/Green, Brown-White/Brown
Filler:	Cross Filler
Shield:	PET
Drain Wire:	0.40±0.005mm TC
Overall Shield:	Al/PET Foil, Foil face out
Rip Cord:	Cotton
Out Jacket:	7.6±0.2 mm PVC CM

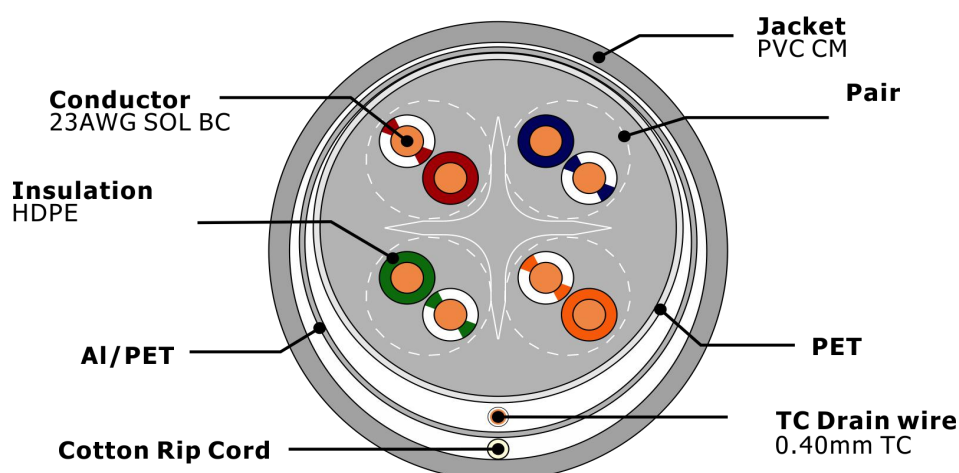


Electrical Characteristics

Impedance	1 - 250MHz 100±15 Ohms
Insulation Resistance	>5000MΩ*KM
Dielectric strength	DC 2500V 2S
Max. Conductor DC Resistance 20°C	8.4 Ohms/100m
Res. unbalance (%)	Max. 2.5
Pair to Ground Capacitance Unbalance	330 pF/100m
Transfer Impedance	Max 10 mOhms/m @100Mhz
Installation temp.	-30 - 50°C
Operation temp.	-20 - 75°C

Cross Section

F/UTP CAT 6 BC PVC CM



Application

- Exceeds ANSI/TIA-568-C.2 and ISO 11801 2nd Edition Class E Category 6 channel standards.
- Exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 6 component standards.
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications.
- Foil shield reduces ingress of EMI interference to ensure cable performance at high frequency levels.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.

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 for the 100M, 20±2°C under the conditions tested.

Order Informations

Marking	HELLOSIGNAL NO.7112213 F/UTP CAT6 4PR 23AWG PVC CM XXX (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

Online Service:

Skype	kingtone3
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