

STRUCTURE CABLING

LAN CABLE

SF/UTP double fully shielded CAT6 Twisted Pair Installation Cable



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 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.

Electrical Characteristics

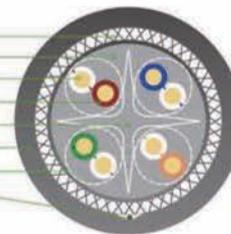
- Impedance: 1-250MHz 100±15(Ohms).
- Rated Temperature: 75°C.
- DC Resistance Unbalance(%): Max 2.5.
- DC Resistance 20°C: 8.4(Ohms/100m).
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M).
- Insulation Resistance: >5000MΩ*Km.
- Dielectric strength: DC 2500V 2S.

Nominal Transmission Characteristics

Frequency (MHz)	RL (min) (dB)	IL(max) (dB/100m)	DOP(max) (ns/100m)	Delay Skew (max) (ns/100m)	NEXT (min) (dB)	PSNEXT (min) (dB)	ACR-F (min) (dB/100m)	PSACR-F (min) (dB/100m)
1	20	2.2	590	62	74.3	72.3	67.8	64.8
4	23	4.1	572	62	65.2	63.2	55.7	52.7
10	25	6.5	565	62	59.3	57.3	47.8	44.8
16	25	8.2	563	62	56.2	54.2	43.7	40.7
20	25	9.3	562	62	54.7	52.7	41.7	38.7
31,25	23.6	11.5	560	62	51.8	49.8	37.9	34.9
62.5	21.5	16.2	558	62	47.3	45.3	31.8	28.8
100	20.1	20.4	557	62	44.3	42.3	27.8	24.8
200	18	29.2	556	62	39.7	37.7	21.7	18.7
250	17.3	33.8	555	62	38.3	36.3	19.8	16.8

Note: The above transmission performance for the 100M, 20 ± 2°C under the conditions tested.

- Braid
- PET
- Copper Conductor
- HDPE Insulation
- Cross Filler
- Jacket
- Aluminum Foil
- Rip Cord



Conductor

Conductor	Solid Bare Copper 23AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-Blue/Blue, White-Orange/Orange, White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out.
Drain wire	None

Order information

Item	Outer Jacket	Overall diameter(mm)
D185-P	CMX	8.1±0.2
D185-C	CM	8.1±0.2
D185-R	CMR	8.1±0.2
D185-L	LSZH	8.1±0.2
D185-E	LDPE	8.1±0.2