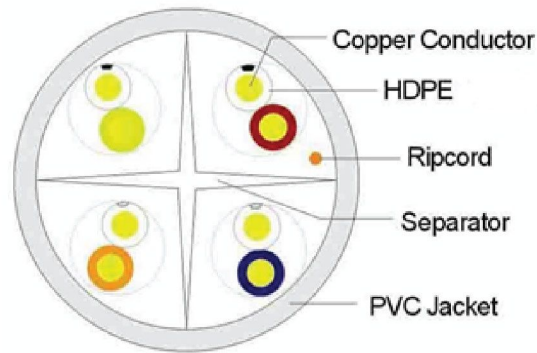


DTC CABLE UTP CAT 6 SOLID



DESCRIPTION

- Standarization : UL Subject 444, EIA/TIA 568B.2-10 & ISO/IEC 11801, IEC 61156
- Performance Characteristic : 250 MHz
- Conductor : Solid bare copper
- Colour : Coded PE insulation
- Jacket : PVC
- Packaging : Reel & Reel in box
- Rated Temperature : 75°C

STRUCTURE

- Construction : UTP
- Number of Pairs : 4 pairs
- AWG : 23 AWG
- Conductor Dimension : 0.575 mm

ISULATION

- Isulation Material : HDPE
- Isulation Dimension : 1.02 mm
- Number Colour (Ring / Strip Marking) : - White blue / blue
- White orange / orange
- White green / green
- White brown / brown
- Cross Filler : Yes

SHIELD

- Individual & Material : No
- Outer Shield & Material : Yes (all foil for FTP)
- Drain Wire : Yes (tinned copper)

OUTER JACKET

- Material : CM / CMP / CMR / LSZH
- Outer Diameter : 6.0 mm ± 0.3

ELECTRICAL CHARACTERISTICS

- Mutual Capacitance @kHz : ≤ 5.6 nF / 100 m
- Max. Capacitance : ≤ 330 pF / 100 m (TIA/EIA-568-B.2)
- Unbalance : ≤ 160 pF / 100 m (per IEC 61156)
- Velocity Propagation : 65 %
- Delay Skew : 45 ns / 100 m
- Conductor DC @ 20°C : 7.32 Ω / 100 m (23 AWG)
- DC Resistance : ≤ 5%
- Impedansi : 100 Ohm ± 15%, 250 M
- Operating Temperature : -20°C to 70°C
- Pulling Tension : 115 Newton
- Bend Radius : 4 x outer diameter

APPLICATION

- 100 Base-T4
- 100 Base-TX
- 100 VG-AnyLAN
- 1000 Base-T
- 1000 Base-TX
- 155 Mbps ATM
- 622 Mbps ATM

TIA/EIA 586-B.2 ELECTRICAL CHARACTERISTIC

Frequency	Impedance	ATT	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT	PD
MHz	Ohm	dB / 100m	dB	dB	dB	dB / 100m	dB / 100m	dB / 100m
1	100±15	2.0	20	74.3	72.3	67.8	64.8	570
10	100±15	6.0	25	59.3	57.3	47.8	44.8	545.4
16	100±15	7.6	25	56.2	54.2	43.7	40.7	543
20	100±15	8.5	25	54.8	52.8	41.8	38.8	542
31	100±15	10.7	23.6	51.9	49.9	37.9	34.9	540.4
62.5	100±15	15.4	21.5	47.4	45.4	31.9	28.9	538.6
100	100±15	19.8	20.1	44.3	42.3	27.8	24.8	537.6
200	100±22	29.0	18.0	39.8	37.8	21.8	18.8	536.5
250	100±22	32.8	17.3	38.3	36.3	19.8	16.8	536.3