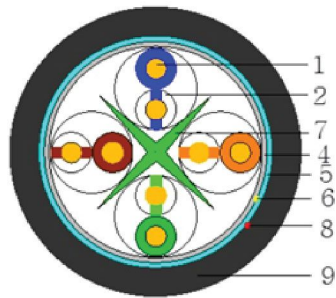


DTC CABLE

FTP CAT 6 SOLID OUTDOOR



1. Conductor
2. Isulation
4. Wrapping
5. Screen / Foil / Shielded
6. Drain Wire
7. Cross Filler
8. Rip Cord
9. Outer Sheat (PE)

DESCRIPTION

- Standarization : ANSI / TIA-EIA 568B&C & YD / T1019
- Conductor : Solid bare copper
- Colour : Coded PE isulation
- Jacket : HDPE
- Packaging : Reel
- Rated Temperature : 70°C

STRUCTURE

- Construction : Shielded Twisted Pair (FTP)
- Number of Pairs : 4 pairs
- AWG : 24 AWG
- Conductor Dimension : 0.570 ± 0.01 mm

ISULATION

- Isulation Material : HDPE
- Isulation Dimension : 1.1 ± 0.008 mm
- Number Colour : - White blue / blue
- White orange / orange
- White green / green
- White brown / brown
- (Ring / Strip Marking)
- Cross Filler : Yes

SHIELD

- Individual & Material : No
- Outer Shield & Material : Yes (0.06 mm Al Foil)
- Wrapping : 0.025 PET tape
- Drain Wire : No
- Rip Cord : 630 D

OUTER JACKET

- Material : HDPE
- Outer Diameter : 23 AWG, 7.7 ± 0.5 mm

ELECTRICAL CHARACTERISTICS

- Mutual Capacitance @kHz : ≤ 5.6 nF / 100 m
- Max. Capacitance : ≤ 330 pF / 100 m (TIA/EIA-568-B&C)
- Velocity Propagation : 65 %
- Delay Skew : 45 ns / 100 m
- Conductor DC @ 20°C : 9.5 Ω / 100 m (23 AWG)
- Rate Voltage : 30 Volt
- DC Resistance : ≤ 5%
- Operating Temperature : (-40°C) to 70°C
- Pulling Tension : 115 Newton
- Bend Radius : 4 x outer diameter (50 mm max.)
- Flame Test : CM / CMX, CMR, CMP or LSZH
- Maximum Pulling Tension : 110 Newton

APPLICATION

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

TIA/EIA 586-B/C 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