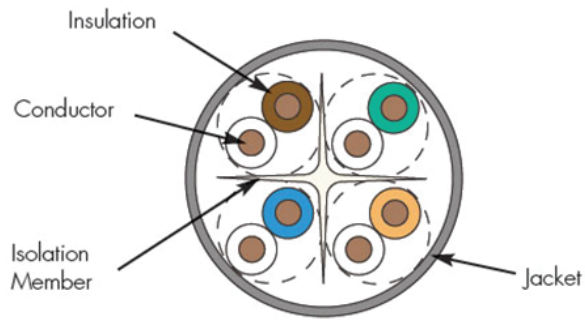
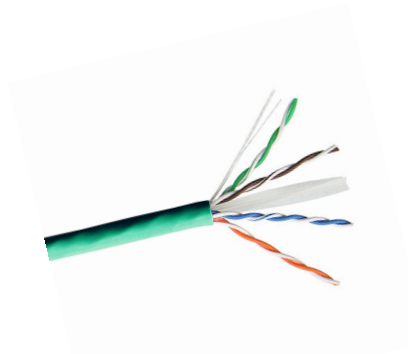


DTC CABLE U/UTP CAT 6A SOLID



Description

- Standardization : UL Subject 444, ANSI/TIA 5682-D & ISO/IEC 11801, IEC 61156
- Conductor : Solid bare copper
- Colour : Coded PE insulation
- Jacket : PVC
- Packaging : Reel & Reel in box
- Rated Temperature : 70°C
-

Structure

- Construction : UTP
- Number of Pairs : 4 pairs
- AWG : 23 AWG
- Conductor Dimension : 0.585 mm

Insulation

- Insulation Material : HDPE
- Insulation Dimension : 1.15 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 : No
- Drain Wire : No

Outer Jacket

- Material : CM / CMP / CMR / LSZH
- Outer Diameter : 7.0 mm ± 0.3

Electrical Characteristics

- Mutual Capacitance @kHz : ≤ 4.6 nF / 100 m
- Max. Capacitance : ≤ 330 pF / 100 m
- Velocity Propagation : 65 %
- Delay Skew : 45 ns / 100 m
- Conductor DC @ 20°C : 7.32 Ω / 100 m (23 AWG)
- DC Resistance : ≤ 5%
- Operating Temperature : -20°C to 70°C
- Pulling Tension : 115 Newton
- Bend Radius : 8 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

ANSI/TIA 5682-D Electrical Characteristics

Frequency	Impedance	ATT	RL	NEXT	PSNEXT	ELFEXT	TCL	DELAY	PSANEXT	PSACCRF
MHz	Ohm	dB / 100m	dB	dB	dB	dB / 100m	dB	Ns / 100m	dB	dB
16	100±15	7.5	20	54.2	54.2	43.7	38	543	67	54.1
20	100±15	8.4	20	52.8	52.8	41.8	37	542	67	52.2
31	100±15	10.5	18.6	49	49	37.9	35.1	540	67	48.3
125	100±20	21.5	14.4	40.8	40.8	25.9	29	537	61	26.3
250	100±22	31.1	12.3	36.3	36.3	19.8	26	536	56.5	30.2
300	100±25	34.3	11.8	35.1	35.1	18.3	25.2	536	55.3	28.7
400	100±25	40.2	10.9	33.3	33.3	15.8	24	535.8	53.5	26.2
500	100±25	43.3	10.2	31.8	31.8	13.8	23.0	535.6	52.0	24.2