

Cat 6 UTP Solid Cable / DCW-C6U-P04-L305*

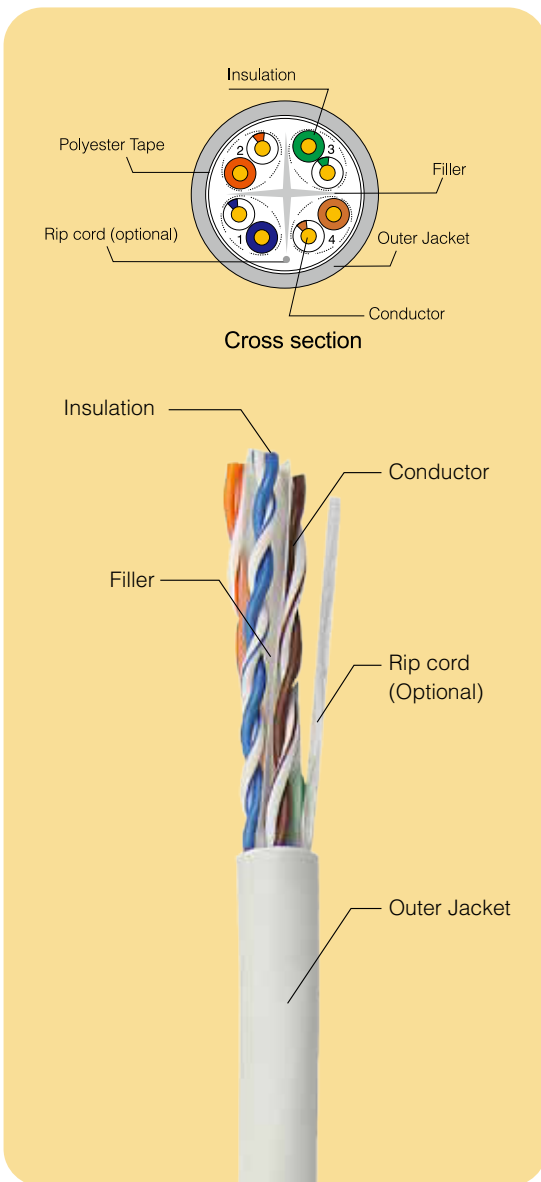
DESCRIPTION

- Rated temperature:75°C
- Reference standard: UL Subject 444,EIA/TIA 568B.2-1 & ISO / IEC 11801, IEC 61156
- Solid bare Copper conductor
- Colour-Coded PE insulation
- Rip Cord (optional)
- PVC or LSZH jacket
- Packaging: Reel,Reel in Box or Reellex

APPLICATION

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

PRODUCT FIGURE



PHYSICAL CHARACTERISTICS

Structure	Construction	U/UTP
	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension(mm)	0.570
	Solid or Stranded; Bare or Tinned	Solid Bare Copper
Insulation	Insulation Material	HDPE, FRPE
	Insulation Dimension(mm)	1.02
	Number Colour (Ring or Strip Marking)	1.white/blue(ring)&blue 2.white/orange(ring)&orange 3.white/green(ring)&green 4.white/brown(ring)&brown
	Cross Filler	Yes
Shield	Individual Shield & Material	No
	Outer Shield & Material	No
	Drain Wire	No
Outer Jacket	Outer Jacket Material	V/PVC, L/LSZH
	Outer Jacket Ripcord	Per customer request
	Overall Nominal Diameter (mm)	23AWG UTP nom:6.2mm
Mechanical characteristics	Operating Temp. Range	-20~75 C
	Bulk Cable Weight (KG)	43KG
	Max, Recommended Pulling Tension	110N
	Min. Bend Radius (Install)	25.4mm
	Flame Test	CMX, CM, CMR, IEC60332-1
	Electrical Characteristics	Nom, Mutual Capacitance@1kHz
Max. Capacitance		≤ 330pF / 100M(Per TIA/EIA-568B.2)
Unbalance (pF/100m)		≤ 160pF / 100M(Per IEC 61156)
Nominal Velocity of Propagation		65%
Max.Delay Skew (ns/100m)		≤45ns/ 100M
Max.Conductor DC Resistance @ 20 Deg. C		7.32Ω /100M
Max.DC Resistance Unbalance @ 20 Deg. C		≤ 5%(Per TIA/EIA-568B.2) ≤ 2%(Per IEC 61156-5)
Max. Insulation Resistance (MΩ/km)		5000
Max. Operating Voltage UL		300V

NOTE: TYPE * (*=V/PVC, L/LSZH, X/CM, R/CMR, E/PE)



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ELECTRICAL CHARACTERISTICS(TIA/EIA-568B.2)

Frequency(MHz)	1	4	8	10	16	20	25	31.25	62.5	100	200	250	300
Impedance(ohms)	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±22	100±22	100±25
ATT(dB/100m)	20	38	53	60	76	85	95	10.7	15.4	19.8	29.0	32.8	36.4
RL(dB)	200	230	245	250	250	250	24.3	23.6	21.5	20.1	18.0	17.3	16.8
NEXT(dB)	77.3	68.3	63.8	62.3	59.2	57.8	56.3	54.9	50.4	47.3	42.8	41.3	40.1
PSNEXT(dB)	75.3	66.3	61.8	60.3	57.2	55.8	54.3	52.9	48.4	45.3	40.8	39.3	38.1
ELFEXT(dB)	70.8	58.8	52.7	50.8	46.7	44.8	42.8	40.9	34.9	30.8	24.8	22.8	21.3
PSELFEXT(dB)	68.8	56.8	50.7	48.8	44.7	42.8	40.8	38.9	32.9	28.8	22.8	20.8	19.3
PD(ns/100m)	570.0	552.0	546.7	545.4	543.0	542.0	541.2	540.4	538.6	537.6	536.5	536.3	536.1

ELECTRICAL CHARACTERISTICS(IEC-61156-5)

Frequency(MHz)	4	8	10	16	20	25	31.25	62.5	100	200	250
Impedance(ohms)	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±15	100±22	100±22
ATT(dB/100m)	3.8	5.4	6.0	7.6	8.5	9.6	10.7	15.5	19.9	29.1	33.0
RL(dB)	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.0	17.3
NEXT(dB)	66.3	61.8	60.3	57.2	55.8	54.3	52.9	48.4	45.3	40.8	39.3
PSNEXT(dB)	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3
ELFEXT(dB)	56.0	49.9	48.0	43.9	42.0	40.0	38.1	32.1	28.0	22.0	20.0
PSELFEXT(dB)	53.0	46.9	45.0	40.9	39.0	37.0	35.1	29.1	25.0	19.0	17.0

