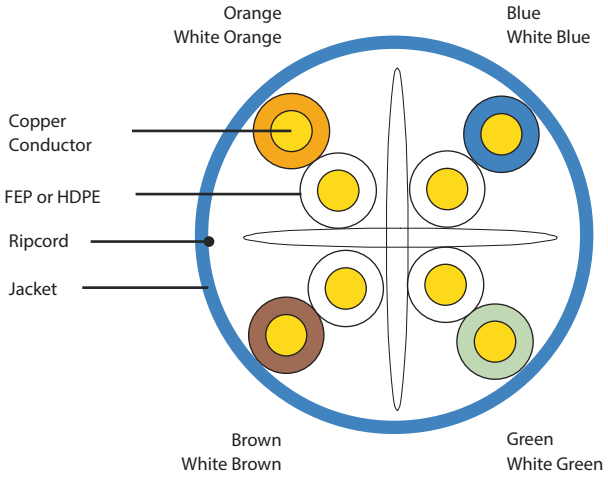
PRODUCT SPECIFICATIONS

Category 6 UTP Cable



PRODUCT DESCRIPTION

Category 6 UTP Cable, Plenum or Riser Rated, 4 Pair (8 conductors).

FEATURES	
Certifications & Compliance	ANSI/TIA-568-C.2 ISO/IEC 11801 RoHS Reach ISO 9001 ISO 14001 UL – Safety ETL Verified
Packaging	Plenum - 1000' Spool in Box Riser - 1000' Reelex II
Options	Blue White Gray (non-stock)
Applications	10BASE-T 100BASE- T 1000BASE-T HDBase-T 622 Mbps ATM 1000 Mbps ATM POE VOIP

DESCRIPTION	PRODUCT ID
Category 6 UTP Cable, Plenum, 1000', Blue	CB06UPBL01K0
Category 6 UTP Cable, Plenum, 1000', White	CB06UPWH01K0
Category 6 UTP Cable, Plenum, 1000', Gray	CB06UPGR01K0
Category 6 UTP Cable, Riser, 1000', Blue	CB06UNBL01K0
Category 6 UTP Cable, Riser, 1000', White	CB06UNWH01K0
Category 6 UTP Cable, Riser, 1000', Gray	CB06UNGR01K0

Note: Gray cable is a non-stock item.

Product Images Shown Are For Illustration Purposes Only

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MECHANICAL SPECIFICATIONS

Conductor Material	Solid–Bare Copper	
Nominal O.D.	0.022 in (0.558 ± 0.008 mm)	
	Plenum	Riser
Insulation Material	FEP	HDPE
Insulation Diameter	0.04 in (0.99 ± 0.05 mm)	0.04 in (1.02 ± 0.05 mm)
Plastic Seperator	FEP	FR-PE
Sheath Thickness	0.02 in (0.43 ± 0.05 mm)	0.02 in (0.55 ± 0.05 mm)
Sheath External O.D.	0.23 in (5.90 ± 0.40 mm)	0.24 in (6.20 ± 0.40 mm)
Sheath Material	PVC - CMP	PVC - CMR
Sheath Colors	Blue, White, & Gray (non-stock)	

ELECTRICAL SPECIFICATIONS

Electrical Characteristics (20 ˚C)

Impedance (Ω) 1.0 to 250.0 MHz	100 ± 15
Delay Skew (ns/100 m) 1.0 to 250.0 MHz	≤ 45
DC Resistance (Ω/100 m) max	9.50
DC Conductor Balance Unbalanced (%) max	5
Voltage Rating	300 Vrms (Max)

TEMPERATURE RANGE

Storage Temperature	-40 °F to +140 °F (-40 °C to +60 °C)
Installation Temperature	+32 °F to +140 °F (0 °C to +60 °C)
Operating Temperature	Plenum -4 °F to +167 °F (-20 °C to +75 °C) Riser -4 °F to +140 °F (-20 °C to +60 °C)

PERFORMANCE

Freq.	Insertion Loss		NEXT		PSNEXT		ACR		PSACR		ACRF		PSACRF		RL	
MHz	nflexon	TIA	nflexon	TIA	nflexon	TIA	nflexon	Cal	nflexon	Cal	nflexon	TIA	nflexon	TIA	nflexon	TIA
1	2.0	2.0	74.3	74.3	72.3	72.3	72.3	72.3	70.3	70.3	67.8	67.8	64.8	64.8	20.0	20.0
4	3.8	3.8	65.3	65.3	63.3	63.3	61.5	61.5	59.5	59.5	55.8	55.8	52.8	52.8	23.0	23.0
8	5.3	5.3	60.8	60.8	58.8	58.8	55.5	55.5	53.5	53.5	49.7	49.7	46.7	46.7	24.5	24.5
10	6.0	6.0	59.3	59.3	57.3	57.3	53.3	53.3	51.3	51.3	47.8	47.8	44.8	44.8	25.0	25.0
16	7.6	7.6	56.2	56.2	54.2	54.2	48.6	48.6	46.6	46.6	43.7	43.7	40.7	40.7	25.0	25.0
20	8.5	8.5	54.8	54.8	52.8	52.8	46.3	46.3	44.3	44.3	41.8	41.8	38.8	38.8	25.0	25.0
31.25	10.7	10.7	51.9	51.9	49.9	49.9	41.2	41.2	39.2	39.2	37.9	37.9	34.9	34.9	23.6	23.6
62.5	15.4	15.4	47.4	47.4	45.4	45.4	32.0	32.0	30.0	30.0	31.9	31.9	28.9	28.9	21.5	21.5
100	19.8	19.8	44.3	44.3	42.3	42.3	24.5	24.5	22.5	22.5	27.8	27.8	24.8	24.8	20.1	20.1
200	29.0	29.0	39.8	39.8	37.8	37.8	10.8	10.8	8.8	8.8	21.8	21.8	18.8	18.8	18.0	18.0
250	32.8	32.8	38.3	38.3	36.3	36.3	5.5	5.5	3.5	3.5	19.8	19.8	16.8	16.8	17.3	17.3

*All Values are in dB/ 100 m