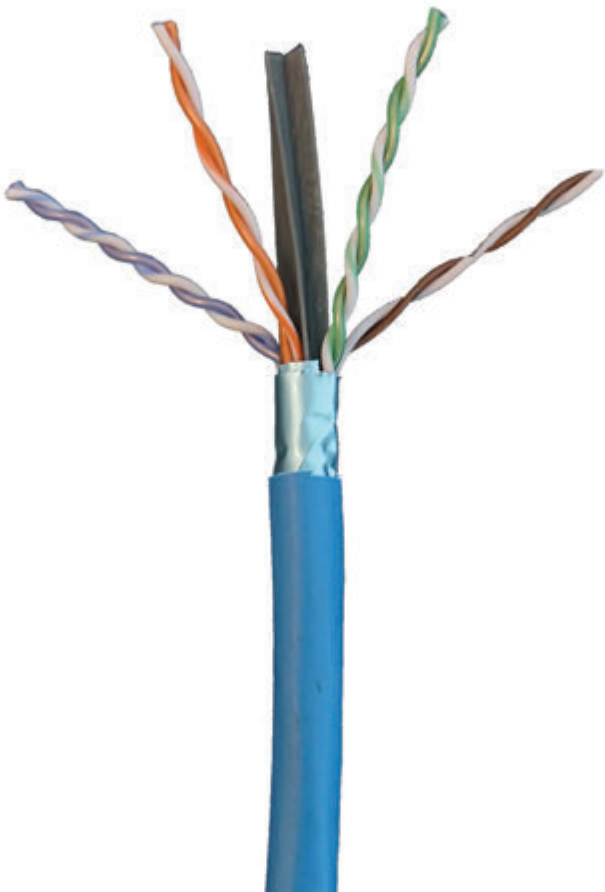
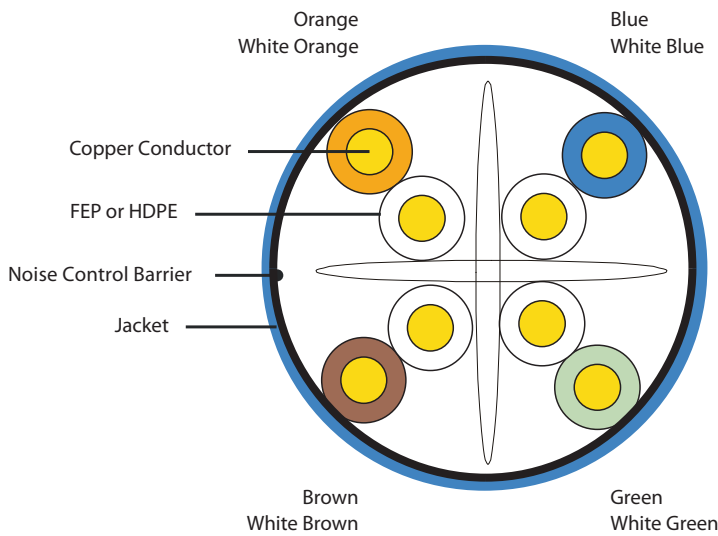




PRODUCT DESCRIPTION

Category 6A UTP Cable with Noise Control Barrier
Plenum or Riser Rated, 4 Pair (8 conductors)

FEATURES	
Certifications & Compliance	ANSI/TIA-568.2-D ISO/IEC 11801 RoHS Reach ISO 9001 ISO 14001 UL – Safety ETL Verified
Packaging	Plenum - 1000' Spool Riser - 1000' Spool
Options	Blue White Gray Yellow
Applications	10BASE-T/100BASE-TX/1000BASE-T 2.5G/5G/10GBASE-T HDBase-T 622 Mbps ATM 1000 Mbps ATM PoE VoIP

DESCRIPTION	PRODUCT ID
Category 6A UTP Cable with NCB, Plenum, 1000', Blue	CB6AUPBL01K0
Category 6A UTP Cable with NCB, Plenum, 1000', White	CB6AUPWH01K0
Category 6A UTP Cable with NCB, Plenum, 1000', Gray	CB6AUPGR01K0
Category 6A UTP Cable with NCB, Plenum, 1000', Yellow	CB6AUPYL01K0
Category 6A UTP Cable with NCB, Riser, 1000', Blue	CB6AUNBL01K0
Category 6A UTP Cable with NCB, Riser, 1000', White	CB6AUNWH01K0
Category 6A UTP Cable with NCB, Riser, 1000', Gray	CB6AUNGR01K0
Category 6A UTP Cable with NCB, Riser, 1000', Yellow	CB6AUNYL01K0

Product Images Shown Are For Illustration Purposes Only

PRODUCT SPECIFICATIONS

Category 6A UTP Cable with Noise Control Barrier



MECHANICAL SPECIFICATIONS

Conductor Material	Solid-Bare Copper	
Nominal O.D.	0.022 in (0.558 ± 0.008 mm)	
	Plenum	Riser
Insulation Material	FEP	Polyolefin (PO)
Insulation Diameter	0.041 in (1.05 ± 0.04 mm)	0.043 in (1.08 ± 0.04 mm)
Plastic Separator	FEP	Polyolefin (PO)
Sheath Thickness	0.016 in (0.40 ± 0.05 mm)	0.020 in (0.50 ± 0.05 mm)
Sheath External O.D.	0.260 in (6.70 ± 0.20 mm)	0.270 in (7.00 ± 0.20 mm)
Sheath Material	Low Smoke Flame Retardant PVC	Flame Retardant PVC
Sheath Colors	Blue, White, Gray & Yellow	

ELECTRICAL SPECIFICATIONS

Electrical Characteristics (20 °C)

Impedance (Ω) 1.0 to 500.0 MHz	100 ± 15
Delay Skew (ns/100 m) 1.0 to 500.0 MHz	≤ 45
DC Resistance (Ω/100 m) max	≤ 9.38
DC Conductor Balance Unbalanced (%) max	≤ 4
Spark Test (KV) DC	2.5

TEMPERATURE RANGE

Storage Temperature	-4 °F to +140 °F (-20 °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		ACRF		PSACRF		PSANEXT		PSAACRF		RL	
MHz	nflexon	TIA	nflexon	TIA	nflexon	TIA	nflexon	TIA	nflexon	TIA	nflexon	TIA	nflexon	TIA	nflexon	TIA
1	2.1	2.1	74.3	74.3	72.3	72.3	67.8	67.8	64.8	64.8	67.0	67.0	67.0	67.0	20.0	20.0
4	3.8	3.8	65.3	65.3	63.3	63.3	55.8	55.8	52.8	52.8	67.0	67.0	66.2	66.2	23.0	23.0
8	5.3	5.3	60.8	60.8	58.8	58.8	49.7	49.7	46.7	46.7	67.0	67.0	60.1	60.1	24.5	24.5
10	5.9	5.9	59.3	59.3	57.3	57.3	47.8	47.8	44.8	44.8	67.0	67.0	58.2	58.2	25.0	25.0
16	7.5	7.5	56.2	56.2	54.2	54.2	43.7	43.7	40.7	40.7	67.0	67.0	54.1	54.1	25.0	25.0
20	8.4	8.4	54.8	54.8	52.8	52.8	41.8	41.8	38.8	38.8	67.0	67.0	52.2	52.2	25.0	25.0
31.25	10.5	10.5	51.9	51.9	49.9	49.9	37.9	37.9	34.9	34.9	67.0	67.0	48.3	48.3	23.6	23.6
62.5	15.0	15.0	47.4	47.4	45.4	45.4	31.9	31.9	28.9	28.9	65.6	65.6	42.3	42.3	21.5	21.5
100	19.1	19.1	44.3	44.3	42.3	42.3	27.8	27.8	24.8	24.8	62.5	62.5	38.2	38.2	20.1	20.1
200	27.6	27.6	39.8	39.8	37.8	37.8	21.8	21.8	18.8	18.8	58.0	58.0	32.2	32.2	18.0	18.0
250	31.1	31.1	38.3	38.3	36.3	36.3	19.8	19.8	16.8	16.8	56.5	56.5	30.2	30.2	17.3	17.3
300	34.3	34.3	37.1	37.1	35.1	35.1	18.3	18.3	15.3	15.3	55.3	55.3	28.7	28.7	16.8	16.8
400	40.1	40.1	35.3	35.3	33.3	33.3	15.8	15.8	12.8	12.8	53.5	53.5	26.2	26.2	15.9	15.9
500	45.3	45.3	33.8	33.8	31.8	31.8	13.8	13.8	10.8	10.8	52.0	52.0	24.2	24.2	15.2	15.2

*All Values are in dB/ 100 m