

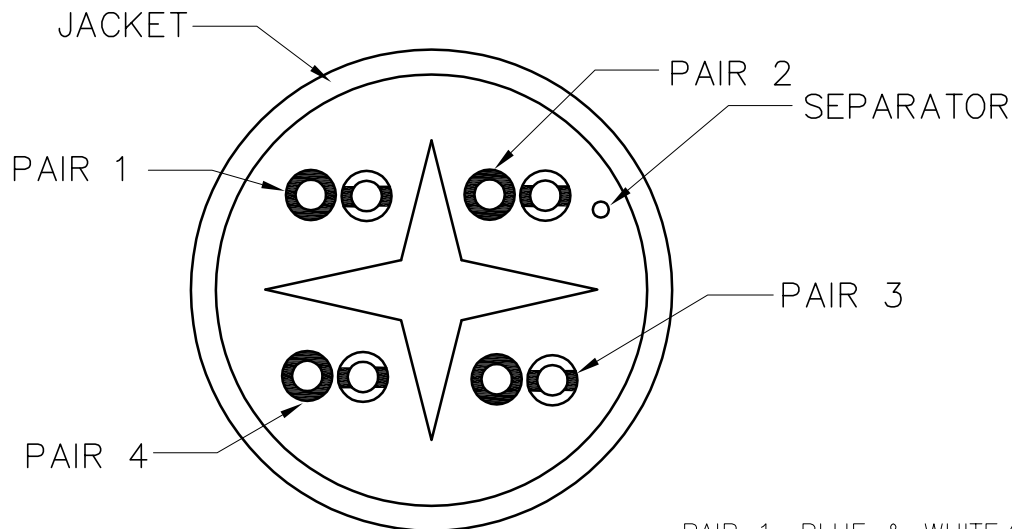
Category 6e 600MHz UTP Solid Cable

PRODUCT SPECIFICATION



Package includes:

A. Category 6e UTP Solid Cable, 1000 feet/pull



PAIR 1: BLUE & WHITE/BLUE

PAIR 2: ORANGE & WHITE/ORANGE

PAIR 3: GREEN & WHITE/GREEN

PAIR 4: BROWN & WHITE/BROWN

Features and Benefits:

- Exceeds TIA 568-B.2-1 Category 6 standard
- Easy to dispense cable with spool design box, saving your time and energy on the job site
- Convenient sequential footage markings for usage tracking
- Plenum rated required in most commercial installations
- ETL verified TIA/EIA 568-B.2-1 for guaranteed performance
- UL listed

CABLE, CAT6e, UTP, 23AWG, 4P, CMP, 1000FT

ITEM NO. ICCABP6E00

REV. C

DWG NO. PSCABP6E00

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CATEGORY 6e 600MHz UTP CABLE ELECTRICAL PERFORMANCE																	
FREQUENCY (MHz)	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100	155	200	250	300	400	550	600
ATTENUATION (dB/100m)	2.0	3.8	5.3	6.0	7.6	8.5	9.5	10.7	15.4	19.8	25.1	29.0	32.8	36.4	43.0	51.8	54.5
NEXT LOSS (dB)	76.3	67.3	62.8	61.3	58.3	56.8	55.3	53.9	49.4	46.3	43.5	41.8	40.3	39.2	37.3	35.2	34.6
PSNEXT LOSS (dB)	74.3	65.3	60.8	59.3	56.3	54.8	53.3	51.9	47.4	44.3	41.5	39.8	38.3	37.2	35.3	33.2	32.6
ELFEXT LOSS (dB)	67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	37.8	23.9	21.7	19.8	18.2	15.7	12.9	12.2
PSELFEXT LOSS (dB)	64.8	52.7	46.7	44.8	40.7	38.7	36.8	34.9	28.8	24.8	20.9	18.7	16.8	15.2	12.7	9.9	9.2
RETURN LOSS (dB)	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.3	16.8	15.9	14.9	14.7
ACR (dB)	74.3	63.5	57.5	55.3	50.7	48.3	45.8	43.2	34.0	26.5	18.4	12.8	7.5	2.8	-	-	-
PS ACR (dB)	72.3	61.5	55.5	53.3	48.7	46.3	43.8	41.2	32.0	24.5	16.4	10.8	5.5	0.8	-	-	-

NOTES: UNLESS OTHERWISE SPECIFIED

1. STANDARD:
 - A. UL444 & ISO/IEC 11801 & TIA/EIA-568-B.2-1 CAT 6 2002/95/EC(ROHS)
2. CONSTRUCTION:
 - A. SIZE: 23AWG
 - B. CONDUCTOR: SOLID BARE COPPER
 - C. INSULATION:
 - MATERIAL: FEP
 - JACKET: FR PVC (LOW SMOKE)
3. ELECTRICAL & PHYSICAL PROPERTIES:
 - A. RATING TEMP VOLTAGE: 75°C, 300V
 - B. CONDUCTOR RESISTANCE: 9.38 OHM/100m/20°C MAX.
 - C. MUTUAL CAPACITANCE: 56 pF/M MAX.
 - D. DIELECTRIC STRENGTH: AC 1.5 KV/2 SEC.
 - E. SPARK TEST: 2.5 KV
 - F. FLAME RETARDANT TEST: CMP, FT6
 - G. DC RESISTANCES UNBALANCE: 5% MAX
 - H. AC LEAKAGE CURRENT THROUGH OVERALL JACKET: AC 1500V ≤ 10mA
 - I. PAIR-TO-PAIR CAPACITANCE UNBALANCED: 330 pF/100m MAX.
 - J. CHARACTERISTIC IMPEDANCE: 1-600 MHz 100±15 OHMS
 - K. PROPAGATION DELAY: 600 MHz 535nS/100m MAX.
 - L. DELAY SKEW: 1-600 MHz 25nS/100m MAX.
4. CABLE COLOR: XX=BL-BLUE, GY-GRAY, WH-WHITE
5. PACKAGING:
 - A. 1000FT/PULL BOX
 - B. BOX SIZE 16.20" X 16.20" X 8.70"

CABLE CONSTRUCTION		
CMP		
CONDUCTOR	SIZE	23AWG x 4P
	CONSTRUCTION	SOLID BARE COPPER
INSULATION	MATERIAL	FEP
SHIELDED	PAIR STRANDED	2 CORE STRANDED
	SEPARATOR	FEP
	ASSEMBLY STRANDED	4 PAIR STRANDED
JACKETED	DIAMETER (MM)	5.6±0.20
	MATERIAL	FR PVC (LOW SMOKE)
RIP CORD	MATERIAL	POLYESTER

PART NUMBER	DESCRIPTION
ICCABP6EBL	CAT6e 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, BLUE
ICCABP6EGY	CAT6e 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, GRAY
ICCABP6EWH	CAT6e 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, WHITE



CABLE, CAT6e, UTP, 23AWG, 4P, CMP, 1000FT			
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