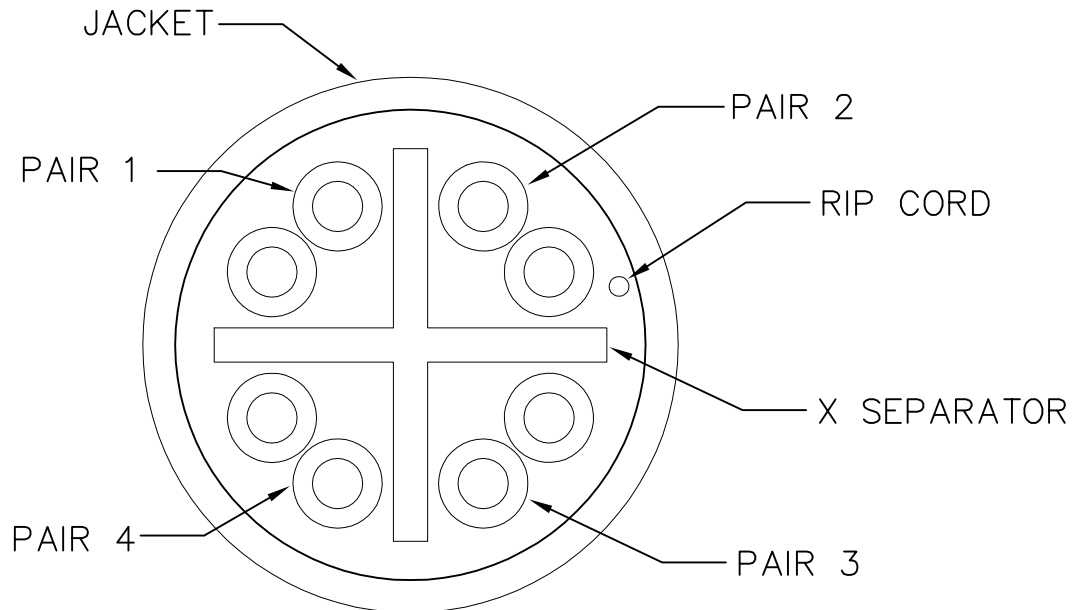


Category 6A 650MHz UTP CMR Solid Copper Cable

PRODUCT SPECIFICATION

Package includes:

A. Category 6A UTP CMR Solid Copper Cable, 1000 ft/reel



PAIR 1: BLUE & WHITE

PAIR 2: ORANGE & WHITE

PAIR 3: GREEN & WHITE

PAIR 4: BROWN & WHITE

Features and Benefits:

- Complies to IEEE 802.3an 10G BASE-T and TIA-568-C.2 standards.
- Easy to dispense cable with reel design, saving your time and energy on the job site.
- Convenient sequential footage markings for usage tracking.
- Commercial / Flame rated required in most commercial installations.
- ETL verified TIA/EIA 568-C.2 for maximum performance.
- UL 1863 compliant.

CABLE, CAT6A, UTP, 23AWG, 4P, CMR, 1000ft

ITEM NO. ICCABR6A00

REV. B

DWG NO. PSCABR6A00

PAGE NO. 1



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CATEGORY 6A 650MHz UTP CABLE ELECTRICAL PERFORMANCE (100 METER/328 FT)

FREQ. (MHz)	INSERTION LOSS, MAX. (dB/100M)	RETURN LOSS MIN. (dB/100M)	NEXT MIN. (dB/100M)	PS NEXT MIN. (dB/100M)	ACRF MIN. (dB/100M)	PS ACRF MIN. (dB/100M)	PROPAGATION DELAY MAX. (dB/100M)	ALIEN CROSSTALK	
								PS ANEXT MIN (dB/100M)	PS AACRF MIN (dB/100M)
1.0	2.1	20.0	78.3	76.3	71.8	68.8	570.0	67.0	67.0
4.0	3.8	24.2	69.3	67.3	59.8	56.8	552.0	67.0	66.2
8.0	5.3	26.3	64.8	62.8	53.7	50.7	546.7	67.0	60.1
10.0	5.9	27.0	63.3	61.3	51.8	48.8	545.4	67.0	58.2
16.0	7.5	27.0	60.2	58.2	47.7	44.7	543.0	67.0	54.1
20.0	8.4	27.0	58.8	56.8	45.8	42.8	542.0	67.0	52.2
25.0	9.4	26.3	57.3	55.3	43.8	40.8	541.2	67.0	50.2
31.25	10.5	25.6	55.9	53.9	41.9	38.9	540.4	67.0	48.3
62.5	15.0	23.5	51.4	49.4	35.9	32.9	538.6	65.6	42.3
100.0	19.1	22.1	48.3	46.3	31.8	28.8	537.6	62.5	38.2
155.0	24.1	20.8	45.4	43.4	28.0	25.0	536.9	59.6	34.4
200.0	27.6	20.0	43.8	41.8	25.8	22.8	536.5	58.0	32.2
250.0	31.1	19.3	42.3	40.3	23.8	20.8	536.3	56.5	30.2
300.0	34.3	18.8	41.1	39.3	22.3	19.3	536.1	55.3	28.7
350.0	37.2	18.3	40.1	38.1	20.9	17.9	535.9	54.3	27.3
400.0	40.1	17.9	39.3	37.3	19.8	16.8	535.8	53.5	26.2
500.0	45.3	17.5	37.8	35.8	17.8	14.8	535.6	52.0	24.2
550.0*	47.7	17.2	37.2	35.2	-	-	-	-	-
600.0*	50.1	16.9	36.6	34.6	-	-	-	-	-
650.0*	52.3	16.7	36.1	34.1	-	-	-	-	-

*FREQUENCIES ARE FOR REFERENCE ONLY

NOTES: UNLESS OTHERWISE SPECIFIED

1. DESCRIPTION
 - A. RATED TEMPERATURE: 75°C
 - B. FLAME TEST: FT4
2. ELECTRICAL PROPERTIES:
 - A. CONDUCTOR DCR: 9.38/100M @20°C
 - B. DCR UNBALANCE: 3% MAX
 - C. CAPACITANCE UNBALANCE PAIR/GROUND: 330°f/100M MAX
 - D. IMPEDANCE: 100 OHMS±10% (10-550MHz)
 100 OHMS±12% (1-100MHz)
 100 OHMS±15% (>100-350MHz)
 100 OHMS±22% (>350MHz)
 - E. PROPAGATION DELAY SKEW: 25 ns/100M MAX
 - F. NOMINAL VELOCITY OF PROPAGATION (NVP): 70%
 - G. INSTALLATION TEMPERATURE: 32°~140°F
 - H. OPERATIONAL TEMPERATURE: -4°~167°F
3. PERFORMANCE:
 - A. SEE TABLE ABOVE
4. CERTIFICATION:
 - A. IEEE 802.3an 10G BASE-T
 - B. TIA-568-C.2
 - C. UL
 - D. ETL
5. BEND RADIUS: 1.34"
6. CABLE JACKET COLOR: XX = BL-BLUE, WH-WHITE
7. PACKAGING:
 - A. BULK PACKAGE: 1000 FT/REEL
 - B. REEL SIZE: 15.75W X 13.00H
 - C. WEIGHT: 51.8 LBS

CABLE CONSTRUCTION		
CONDUCTOR	SIZE	CMR
		CONSTRUCTION
SEPARATOR	MATERIAL	PE
INSULATION	MATERIAL	PE
JACKET	DIAMETER	0.34"
	MATERIAL	FLAME RETARDANT PVC

PART NUMBER	DESCRIPTION
ICCABR6ABL	CAT6A 650MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, BLUE
ICCABR6AWH	CAT6A 650MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, WHITE



CABLE, CAT6A, UTP, 23AWG, 4P, CMR, 1000ft			
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