

Category 6A 650MHz UTP CMR Solid Cable

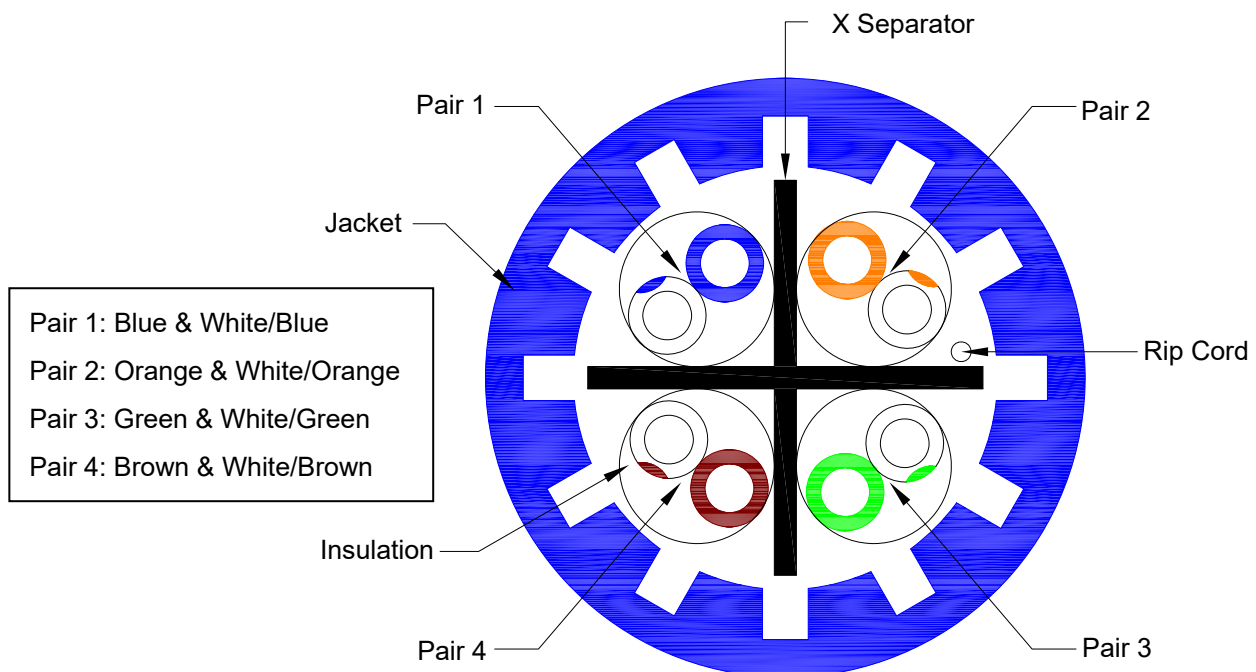
Package Include:

A. Category 6A UTP CMR Solid Cable, **1000 Feet**



Features and Benefits

- Exceeds TIA 568-C.2 Category 6 standard
- Easy to dispense cable with reel design, saving you energy and time on the job site
- Convenient sequential footage markings for usage tracking
- UL 1863 compliant
- Commercial / Flame rated required in most commercial installations
- ETL verified TIA/EIA 568-C.2 for maximum performance
- Complies to IEEE802.3bt for POE++
- Available in blue and white



Part No: ICCABR6Axx

Rev: G

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Category 6A 650MHz UTP Cable Electrical Performance (100 Meter Loop)									
Frequency(M Hz)	Insertion Loss (dB)	Return Loss (dB)	NEXT (dB)	PS NEXT (dB)	ACRF (dB)	PS ACRF (dB)	Propagation Delay (dB)	Alien Crosstalk	
								PS ANEXT (dB)	PS AACRF (dB)
1.0	2.1	20.0	74.3	72.3	67.8	64.8	570.0	67.0	67.0
4.0	3.8	23.0	65.3	63.3	55.8	52.8	552.0	67.0	66.2
8.0	5.3	24.5	60.8	58.8	49.7	46.7	547.0	67.0	60.1
10.0	5.9	25.0	59.3	57.3	47.8	44.8	545.0	67.0	58.2
16.0	7.5	25.0	56.2	54.2	43.7	40.7	543.0	67.0	54.1
20.0	8.4	25.0	54.8	52.8	41.8	38.8	542.0	67.0	52.2
25.0	9.4	24.3	53.3	51.3	39.8	36.8	541.0	67.0	50.2
31.25	10.5	23.6	51.9	49.9	37.9	34.9	540.0	67.0	48.3
62.5	15	21.5	47.4	45.4	31.9	28.9	539.0	65.6	42.3
100.0	19.1	20.1	44.3	42.3	27.8	24.8	538.0	62.5	38.2
200.0	27.6	18.0	39.8	37.8	21.8	18.8	537.0	58	32.2
250.0	31.1	17.3	38.3	36.3	19.8	16.8	536.0	56.5	30.2
300.0	34.3	16.8	37.1	35.1	18.3	15.3	536.0	55.3	28.7
400.0	40.1	15.9	35.3	33.3	15.8	12.8	536.0	53.5	26.2
500.0	45.3	15.2	33.8	31.8	13.8	10.8	536.0	52.0	24.2
550.0*	47.7	14.9	33.2	31.2	N/A	N/A	N/A	N/A	N/A
600.0*	50.1	14.7	32.6	30.6	N/A	N/A	N/A	N/A	N/A
650.0*	52.3	14.4	32.1	30.1	N/A	N/A	N/A	N/A	N/A

*Frequencies beyond 500 MHz is reference only

NOTE: UNLESS OTHERWISE SPECIFIED

1. Standard:

A. IEEE 802.3an 10G Base-T Standard; ANSI/TIA-568-C.2; RoHS, ICEA S-116-732

2. Construction:

- A. Size: 23 AWG
- B. Conductor: Solid Bare Copper
- C. Insulation: PE
- D. Jacket: PVC -- Ø0.33" ±0.008 (8.5MM±0.2)
- E. Rip Cord: Polyester
- F. X Separator: PE

3. Electrical/Physical Properties:

- A. Conductor DCR: 80 OHMS/M @20°C
- B. DCR Unbalance: 5% Max
- C. Capacitance Unbalance Pair/Ground: 300°F/100M Max
- D. Propagation Delay Skew (1-550MHz): Max 45ns/100m
- E. Nominal Velocity of Propagation (NVP): 70%
- F. Installation Temperature: 32°-140°F
- G. Operational Temperature: 4°-167°F
- H. Bend Radius: 1.34"
- I. Characteristic Impedance: 100 OHMS ±10% (10-550MHz)
- J. Min Insulation Resistance (PE): 100 OHM-m
- K. Dielectric Strength: AC-500V/1 Min

4. Packaging:

- A. Bulk Package: 1000 Feet/Reel
- B. Reel Size: 13.78" X 13.78"
- C. Weight: 49.8 lbs.



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