

Category 5e UTP CMR Cable

Issue 2



This Category 5e UTP 4-pair CMR Cable is an unshielded cable with PVC outer sheath with rip cord, designed to provide Category 5e Enhanced Link and Channel performance with internationally defined physical and electrical performance up to 100MHz.

The insulation on the 4 pairs for twisted copper is colour coded: Blue, Orange, Green, and Brown.

Specifications

Conductor.....0.5mm Dia. (24 AWG) copper
Insulation:.....Polyethylene
JacketPVC
Outside diameter.....5.0mm nominal

Complies with:
ISO/IEC 11801
TIA/EIA 568-B.2
EN50173
UL Listed

Mechanical:

Minimum bend radius:
- During installation.....50mm
- After installation.....25mm
Maximum pulling tension.....8.8kg
Box mass- full, nominal.....10kg

Thermal:

Operation.....-15°C to 70°C
Installation.....5°C to 40°C

Electrical:

Conductor DC resistance @ 20°C (max).....9.38Ω/100m
DC resistance unbalances (max).....5%
Mutual capacitance @ 20°C (max).....5.6nF/100m
Worst case cable skew.....45ns/100m
NVP setting.....70%

SPEC SHEET



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Freq	Attenuation	Pr-Pr NEXT	Power Sum NEXT	Return Loss	Pr-Pr ELFEXT	Power Sum ELFEXT	Pr-Pr ACR	Power Sum ACR
(MHz)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
1.00	1.95	77.2	77.0	31.5	74.7	76.9	75.2	75.0
4.00	3.62	71.0	68.7	28.7	64.7	64.7	67.4	65.1
10.00	6.11	61.4	61.8	32.1	55.9	55.7	55.3	55.6
16.00	7.89	60.4	66.3	32.1	51.7	51.7	52.5	58.4
20.00	8.77	55.5	64.8	28.9	50.0	49.7	46.7	56.1
31.25	11.09	52.4	53.8	28.8	46.1	45.1	41.3	42.7
62.50	15.96	52.4	52.4	25.2	39.1	38.9	36.5	36.5
100.00	20.41	47.0	46.2	26.8	31.8	34.2	26.6	25.8
200.00	29.73	39.1	41.8	19.1	25.1	28.8	9.4	12.0
250.00	33.53	38.4	42.6	19.3	25.3	31.1	4.9	9.1
300.00	36.74	36.1	34.8	16.9	18.9	18.3	-0.7	-2.0
350.00	39.89	32.3	33.0	15.8	17.7	15.8	-7.6	-6.9

Note: The above listed discrete frequency performance values are provided for engineering information only. Actual compliance testing is based on swept frequency measurements. The spec values are based on TIA.EIA 568-B.2 specifications.

Ordering Information

Description	Quantity	Colour	Product No.
Category 5e 4-pair Cable, Solid UTP	305m reel	Grey	6916 1 028-01
Category 5e 4-pair Cable, Solid UTP	305m reel	Blue	6916 1 028-02

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*KRONE Communications Ltd. is now ADC India Communications Ltd.



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