

CBM10R1TS Cable Datasheet

Product Revision: Rev. A

Overview

The CBM10R1TS series of cables are general purpose RJ50 / 10P10C cables useful for data acquisition devices, test equipment, instrumentation, etc. They feature shielded, twisted pair wiring and are available in various stock lengths. A molded strain relief on each end protects the connector wiring from the twisting and strain of normal usage.



Specifications

<i>Specification</i>	<i>CBM10R1TS</i>										
Wire Type	26AWG STP (Shielded Twisted Pair), Stranded, 5 Pairs, Cat5e-style twist rates*										
Wiring Scheme	1:1 (Pin1 to Pin 1, Pin 2 to Pin 2, etc)										
Twisted Pairs / Colors	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Pin 1: White/Blue</td> <td style="width: 50%;">Pin 10: Blue</td> </tr> <tr> <td>Pin 2: White/Orange</td> <td>Pin 3: Orange</td> </tr> <tr> <td>Pin 4: White/Green</td> <td>Pin 5: Green</td> </tr> <tr> <td>Pin 6: White/Brown</td> <td>Pin 7: Brown</td> </tr> <tr> <td>Pin 8: White/Gray*</td> <td>Pin 9: Gray*</td> </tr> </table> <p>* Gray may be substituted with Black</p>	Pin 1: White/Blue	Pin 10: Blue	Pin 2: White/Orange	Pin 3: Orange	Pin 4: White/Green	Pin 5: Green	Pin 6: White/Brown	Pin 7: Brown	Pin 8: White/Gray*	Pin 9: Gray*
Pin 1: White/Blue	Pin 10: Blue										
Pin 2: White/Orange	Pin 3: Orange										
Pin 4: White/Green	Pin 5: Green										
Pin 6: White/Brown	Pin 7: Brown										
Pin 8: White/Gray*	Pin 9: Gray*										
Wire Shield	Foil with drain wire										
Connector Type	10P10C modular shielded plug										
Cable Strain Relief	Molded										

*Note: Strictly interpreted, the “Cat5e” designation applies to 24 AWG 4-pair cabling. This wire is made with the same type of construction and twist rates as Cat5e cabling, but with 26AWG 5-pair wire.

CBM10R1TS Stocked Part Numbers

Part numbers are of the form CBM10R1TS-xx, where xx represents the length of the cable in feet.

The following part numbers represent standard options and are stocked:

- CBM10R1TS-0.5
- CBM10R1TS-1
- CBM10R1TS-2
- CBM10R1TS-3

NOTE: Lengths longer than 3ft that were originally produced as part of the CBM10R1TS series are being transitioned to the CBM10R2TS series, which adds an anti-snag boot to the connector.

Length Tolerance

The length of each cable is measured from tip-to-tip of the extended cable's connectors. The allowable tolerance varies depending on the nominal length of the cable:

<i>Nominal Length (\leq feet)</i>	<i>Tolerance (\pm inch)</i>
0.5	0.75
3	1.5
6	2.5
50	3.5
100	6
≥ 100	12

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