

CBM10R2TS Cable Datasheet

Product Revision: Rev. A

Overview

The CBM10R2TS 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. A molded anti-sag boot protects the connector locking tab from snags and breakage.

**Specifications**

<i>Specification</i>	<i>CBM10R2TS</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 border="0"><tr><td>Pin 1: White/Blue</td><td>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, with anti-sag boot for connector tab										

*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.

CBM10R2TS Stocked Part Numbers

Part numbers are of the form CBM10R2TS-xx, where xx represents the length of the cable in feet.

The following part numbers represent standard options and are stocked:

- | | | |
|----------------|----------------|-----------------|
| • CBM10R2TS-6 | • CBM10R2TS-25 | • CBM10R2TS-75 |
| • CBM10R2TS-10 | • CBM10R2TS-30 | • CBM10R2TS-100 |
| • CBM10R2TS-15 | • CBM10R2TS-40 | • CBM10R2TS-200 |
| • CBM10R2TS-20 | • CBM10R2TS-50 | |

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

Notices

1. Drawings and specifications are subject to change without notice.
2. Winford Engineering, LLC does not authorize any of its products for use in military, medical or other life-critical systems and/or devices. Life-critical devices/systems include devices or systems which, a) are intended for surgical implantation into the body, or b) support or sustain life and whose failure to perform can be reasonably expected to result in injury. Winford Engineering, LLC products are not designed with the components required, and are not subject to the testing required to ensure a level of reliability suitable for the treatment and diagnosis of people. Winford Engineering, LLC shall not be held responsible or liable for damages or injury that occur as a result of the use of this product.