

TYPE MT20

Single Conductor Insulation

- Extruded PVC

Duplex Conductor Insulation

- Extruded PVC

Temperature Rating

- Continuous: -20 to +221°F
(-29 to 105°C)

ANSI Color-Coded

- Yes

Physical Properties

- Abrasion Resistance - Good
- Moisture Resistance - Excellent
- Chemical Resistance - Good

Where conditions call for other than these standard offerings, special constructions can be manufactured to meet specific requirements or specifications in quantities of not less than 1000 feet. Complete information or specifications should accompany any request for quotation.

© Tefzel and Mylar are registered trademarks of the E.I. DuPont de Nemours Co.

Standard Multipair T/C Extension Cable

Type MT is the designation for TCP's extensive family of multipair cables. The standard Series 900 cables are available from stock with PVC insulation. Several different pair counts, in most calibrations, can be shipped quickly from our warehouse.

Series 900 cable manufacturing includes the conductors first being insulated with 105°C PVC. One single of each pair is then numbered for ease of installation. The numbered wire is then twisted with its corresponding thermoelement. These twisted pairs are then twisted or cabled together for added flexibility. During the cabling an additional insulated copper wire is included for use as a communication wire.

The cable is wrapped with a clear polyester tape to minimize the chance of short circuits to the shield of the cable. The shield itself consists of a spirally applied aluminized polyester tape. A copper drain wire and heavy ripcord are longitudinally applied under the final jacket which consists of a coating of flexible color-coded PVC.

For higher temperature versions of the above, please contact our factory. Multipair constructions using FEP, Tefzel®, Polyimide and fiber glass are frequently fabricated to customer specifications. TCP's low minimum order quantities make us the manufacturer of choice for highly specialized prototype constructions.

ANSI Type KX Pairs

ANSI Color-Code; Negative Wire, Red; Positive Wire, Yellow; Overall, Yellow

Catalog Number	No. of Pairs	B. & S. Gauge	Approx. O.D. (in/mm)	Approx. Shipping Weight	
				(lb./1000 ft)	(Kg/Km)
MT20K2	2-Twisted	20	.290 / 7.37	45	67.0
MT20K4	4-Twisted	20	.350 / 8.89	83	123.5
MT20K8*	8-Twisted	20	.420 / 10.67	131	194.9
MT20K12	12-Twisted	20	.495 / 12.57	198	294.9
MT20K16	16-Twisted	20	.550 / 13.97	245	364.6
MT20K20	20-Twisted	20	.620 / 15.75	285	424.1
MT20K24	24-Twisted	20	.665 / 16.89	338	503.0

*This item available in special limits also.

ANSI Type TX Pairs

ANSI Color-Code; Negative Wire, Red; Positive Wire, Blue; Overall, Blue

Catalog Number	No. of Pairs	B. & S. Gauge	Approx. O.D. (in/mm)	Approx. Shipping Weight	
				(lb./1000 ft)	(Kg/Km)
MT20T4	4-Twisted	20	.350 / 8.89	82	122.0
MT20T8	8-Twisted	20	.420 / 10.67	128	190.5
MT20T12	12-Twisted	20	.495 / 12.57	194	288.7
MT20T24	24-Twisted	20	.550 / 13.97	332	494.0

ANSI Type JX Pairs

ANSI Color-Code; Negative Wire, Red; Positive Wire, White; Overall, Black

Catalog Number	No. of Pairs	B. & S. Gauge	Approx. O.D. (in/mm)	Approx. Shipping Weight	
				(lb./1000 ft)	(Kg/Km)
MT20J2	2-Twisted	20	.290 / 7.37	45	67.0
MT20J4	4-Twisted	20	.350 / 8.89	83	123.5
MT20J8*	8-Twisted	20	.420 / 10.67	131	194.9
MT20J12	12-Twisted	20	.495 / 12.57	198	294.9
MT20J16	16-Twisted	20	.550 / 13.97	245	364.6
MT20J20	20-Twisted	20	.620 / 15.75	285	424.1
MT20J24	24-Twisted	20	.665 / 16.89	338	503.0

*This item available in special limits also.