



TERMINATOR™ Cable Fitting

SAVE THESE INSTRUCTIONS
FOR FUTURE REFERENCE

IF1183

Installation & Maintenance Information

APPLICATION

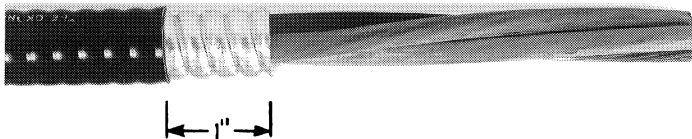
TMC series Terminator™ cable fittings are designed for use with Type MC jacketed metal clad; interlocked armor, and continuous corrugated armor cables in ordinary locations.

TMC series Terminator cable fittings are installed to provide a means for passing Type MC, metal clad, jacketed cable into an enclosure, panelboard or other equipment; to form a mechanical watertight termination and to provide ground continuity between cable armor and metal enclosures.

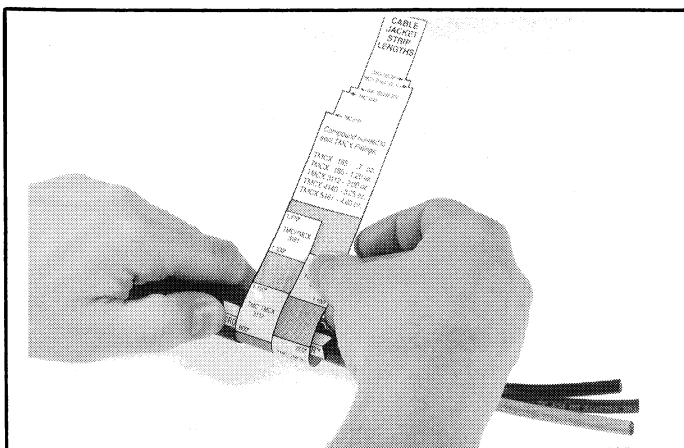
TMC series Terminator cable fittings are UL Listed for ordinary wet locations according to UL Standard 514B. They may also be used in hazardous locations with Type MC cables when installed in accordance with NEC requirements.

INSTALLATION

1. Remove the jacket and armor from the cable to expose a sufficient length of conductors required for the job. Leave approximately 1" of armor exposed.



2. Using the cable gauge and sizer supplied with the Terminator, measure the cable armor and select the proper cable fitting. Place the bottom of the gauge on the exposed cable armor and hold the gauge with your thumb. Wrap gauge tightly around armor. The arrows at the bottom of the gauge indicate which catalog number will be required to terminate the cable. In the example below a TMC3112 would be used.



Note: If a cable gauge and sizer is not available, determine the O.D. of the cable armor and choose the appropriate fitting using Table 1.

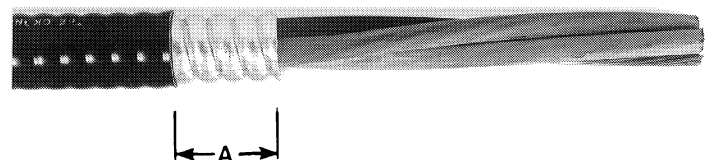
NPT Size	Cat. No.	Cable Range Over Armor (inches)
1/2"	TMC165	.440" - .650"
3/4"	TMC285	.600" - .850"
1"	TMC3112	.800" - 1.120"
1-1/4"	TMC4140	1.100" - 1.400"
1-1/2"	TMC5161	1.280" - 1.610"
2"	TMC6206	1.570" - 2.060"
2-1/2"	TMC7247	1.930" - 2.470"
3"	TMC8302	2.450" - 3.020"
3-1/2"	TMC9352	2.950" - 3.520"
4"	TMC10402	3.500" - 4.020"

Table 1.

3. Refer to Table 2 or the steps on the cable gauge and sizer to determine the proper amount of armor to be exposed. Remove additional jacket if necessary.

NPT Size	Amount of Cable Armor to be Exposed (Dim. A)
1/2"	1-5/8"
3/4"	1-5/8"
1"	1-5/8"
1-1/4"	1-3/4"
1-1/2"	2-1/4"
2"	2-3/4"
2-1/2"	3-1/2"
3"	4-1/4"
3-1/2"	4-1/4"
4"	4-1/4"

Table 2.
Amount of Cable Armor to be Exposed



NOTE: Inspect the armor and use a file to remove any burrs.

4. Examine the fitting to make sure that neither the spring nor the bushing is precompressed. Refer to Figure 3. If they are, loosen the body and the nut to allow the spring and bushing to return to their maximum diameter. DO NOT DISASSEMBLE. It is not necessary to disassemble any of the components of the fittings.
5. Install fitting in a threaded opening or fasten in a slip hole with a sealing locknut. Use a wrench to securely tighten the body.

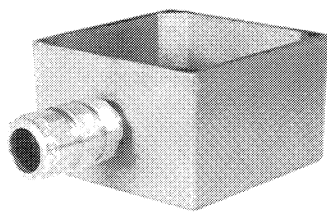


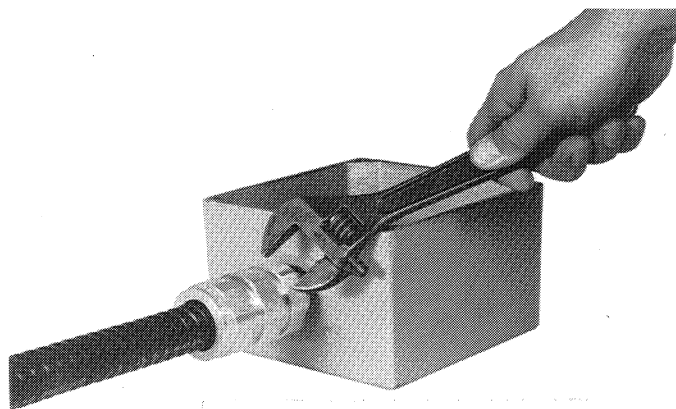
Figure 1.
TMC Installed in Junction Box

6. Insert prepared cable into fitting. If conductors do not pass through the armor stop reducer, remove the reducer using a screw driver or similar tool. Reducer can be removed without disassembling the fitting. Reinsert cable until the armor rests against the armor stop.

CAUTION

Make certain the metallic cable armor does not go beyond the armor stop.

7. Due to the variation of the cable manufacturing processes, in some instances armor might tend to pass through armor stop. If this condition exists, use electrical insulation tape, and wrap end of armor to produce a diameter sufficient to stop protrusion of armor through armor stop.
8. Completely tighten the intermediate body. Then completely tighten the gland nut. Refer to Table 3 for torquing requirements.
9. Verify continuity between cable armor and enclosure.

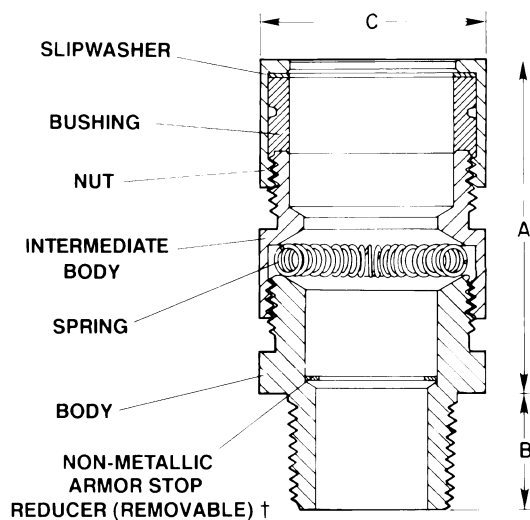


Completed Installation

NPT Size	Tightening Torque (Pound-Inches)	
	Body	Nut
1/2"	300	300
3/4"	500	500
1"	700	700
1-1/4"	1,000	700
1-1/2"	1,200	700
2"	1,600	700
2-1/2"	1,600	700
3"	1,600	700
3-1/2"	1,600	700
4"	1,600	700

Table 3.
Tightening Torque

DIMENSIONS



NPT Size	Cat. No.	Cable Range Over Armor (inches)	A (inches)	B (inches)	C * (inches)
1/2"	TMC165	.440" - .650"	2-3/8	3/4	1-3/8
3/4"	TMC285	.600" - .850"	2-5/8	25/32	1-5/8
1"	TMC3112	.800" - 1.120"	2-5/8	15/16	2
1-1/4"	TMC4140	1.100" - 1.400"	2-3/4	31/32	2-7/16
1-1/2"	TMC5161	1.280" - 1.610"	2-3/4	31/32	2-3/4
2"	TMC6206	1.570" - 2.060"	4-1/2	1	3-1/2
2-1/2"	TMC7247	1.930" - 2.470"	4-3/4	1-7/16	4
3"	TMC8302	2.450" - 3.020"	4-7/8	1-7/16	4-7/8
3-1/2"	TMC9352	2.950" - 3.520"	5-3/8	1-5/8	5-3/8
4"	TMC10402	3.500" - 4.020"	5-1/2	1-5/8	5-7/8

* "C" dimension is across the hex.

† As shown for 1/2"-1-1/4" sizes, at end of nipple for 1-1/2"-4" sizes.

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**CROUSE-HINDS
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MATERIALS**

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