

ROME NAVY SHIPBOARD CABLE, MIL-C-915

Special Purpose Power and Welding Leads
Types TRF, TRXF

<p>APPLICATION: As motor leads and low voltage welding leads for naval ships and shore stations. Cables are non-watertight and are designed for flexing service.</p> <p>STANDARDS: Meets requirements of Military Specification MIL-C-915F and Specification Sheets MIL-C-915/20, 21.</p> <p>CONSTRUCTION: Type TRF - Single flexible uncoated copper conductor, separator tape, synthetic rubber insulation, reinforcing braid, neoprene jacket. Type TRXF - Single extra flexible uncoated copper conductor, separator tape, neoprene jacket.</p>								
Navy Type No.	Conductor Size AWG	Number of Strands	Nominal Area Circular Mills	Approx. Dia. Over Conductor Inches	Overall Diameter Inches		Approx. Net Wt. Lb./1000 Ft.	Package (Ft.) NR Reel
					Min.	Max.		
TYPE TRF - TOUGH RUBBER JACKET, FLEXIBLE CABLE, 600 VOLTS								
TRF-105	1/0	259	105 600	.410	.703	.760	535	1000
TRF-133	2/0	259	133 100	.460	.749	.810	620	1000
TRF-168	3/0	259	167 800	.520	.796	.860	760	1000
TYPE TRXF - TOUGH RUBBER JACKET, EXTRA FLEXIBLE CABLE, 125 VOLTS								
TRXF-84	1	2107	83 690	.365	.555	.600	370	1000
TRXF-105	1/0	2646	105 600	.385	.629	.680	470	1000
TRXF-133	2/0	3325	133 100	.440	.694	.750	580	1000

Information on this sheet subject to change without notice.

Specification

ROME NAVY SHIPBOARD CABLE, MIL-C-915

Types TRF, TRXF

1. SCOPE

- 1.1 This specification describes a single conductor 600 volt special purpose power cable and an extra flexible 125 volt welding cable for use as motor leads and low voltage welding leads for naval ships and shore stations. Cables are known as Types TRF and TRXF per MIL-C-915F.

2. STANDARDS

- 2.1 The following specification shall form a part of this specification:
 - 2.1.1 MIL-C-915F "General Specification for Cable and Cord, Electrical, for Shipboard Use" and Specification Sheets MIL-C-915/20 and MIL-C-915/21.

3. CONDUCTORS

- 3.1 Type TRF cables shall be conductor sizes 1/0-3/0 AWG, Type TRXF cables shall be conductor sizes 1-2/0 AWG, uncoated soft copper in accordance with MIL-C-915F and Specification Sheets MIL-C-915/20 and 21.

4. SEPARATOR

- 4.1 A suitable separator shall be applied over each conductor.

5. INSULATION

- 5.1 Each type TRF conductor shall be insulated with a synthetic rubber compound meeting the requirements of MIL-C-915F and Specification Sheet MIL-C-915/20. Nominal thickness of insulation shall be 0.075 inch. A reinforcement serve shall be applied over the insulation.

6. JACKET

- 6.1 Each Type TRF cable shall be jacketed with Neoprene meeting the requirements of MIL-C-915F and Specification Sheet MIL-C-915/20. The jacket shall be bonded to the underlying insulation. Thickness of jacket shall be as necessary to meet the maximum overall diameter specified in Specification Sheet MIL-C-915/20.
- 6.2 Each Type TRXF cable shall be jacketed with Neoprene meeting the requirements of MIL-C-915F and Specification Sheet MIL-C-915/21. Thickness of jacket shall be as necessary to meet the maximum overall diameter specified in Specification Sheet MIL-C-915/21.

7. TESTS

- 7.1 Cables shall be tested for compliance with the requirements for Type TRF and Type TRXF cables in MIL-C-915F and Specification Sheets MIL-C-915/20 and 21.