

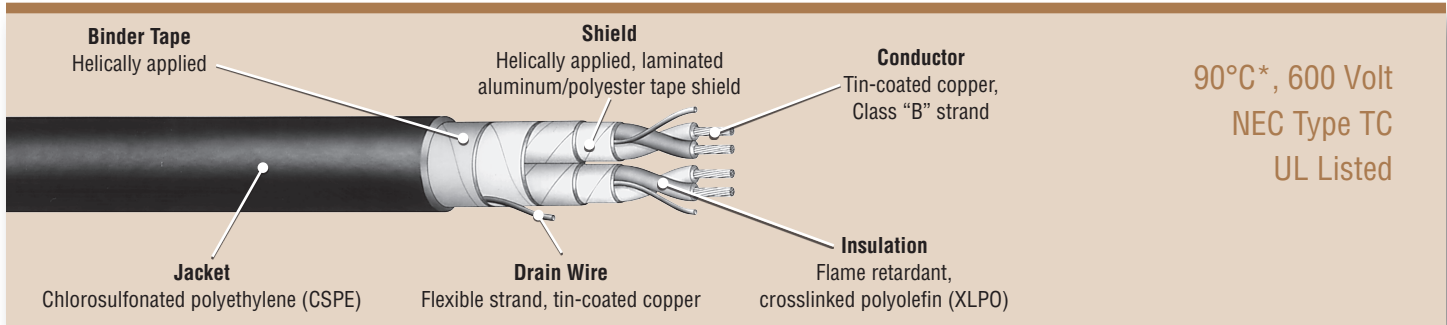
Rock-Tuff®

Instrumentation Cable

Multi-Shielded Pairs with Overall Shield (XLPO/CSPE)

RSCC Industrial Cable

www.r-scc.com



Features

- Thermoset insulation and jacket for enhanced thermal stability
- Extremely flame retardant
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- All jackets have printed sequential footage markers for improved inventory control
- Easy strippability for installation use

Performance Standards

- Insulation in accordance with ICEA Standard S-95-658 and UL approved for 90°C applications in both wet & dry locations
- Jackets in accordance with ICEA Standard S-95-658 for heavy-duty chlorosulfonated polyethylene (CSPE)
- Cable passes IEEE 1202/FT4 flame test
- Single conductors pass the vertical flame tests specified in ICEA S-73-532 Type A and UL VW-1
- UL Listed Type TC for cable tray installations (UL 1277)
- In accordance with the National Electrical Code (approved for Class 1, Division 2 hazardous locations)

Construction

Conductor: Annealed, tin-coated copper, Class "B" strand (ASTM B-8 & B-33)

Insulation: Proprietary heat, moisture and flame retardant crosslinked polyolefin

Pair Assembly: Two insulated conductors twisted

Cabling: Required number of pairs cabled together

Shield System: Helically applied aluminum/polyester laminated tape shield in continuous contact with a flexible strand, tin-coated copper drain wire

Circuit Identification: One black and one white insulated single conductor in each pair with printed pair numbers on both singles for pair identification (alternate methods also available)

Fillers: (When required)

Binder Tape: Helically applied

Jacket: Black, heavy-duty chlorosulfonated polyethylene (optional FR-XLPO or XL-LSZH)

Scope

Rock-Tuff® Industrial Instrumentation Cable is a totally thermoset construction specifically designed for reliable performance under harsh conditions in industrial applications. It may be installed in trays, ducts, conduits or in direct burial applications to perform a variety of low voltage power, lighting and related functions. *Designed for use on circuits where shielding from external electrostatic interference and between pairs is critical.*

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.



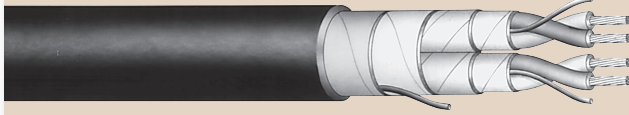
Made in the USA



Marmon Electrical
A Berkshire Hathaway Company

Rock-Tuff® Instrumentation Cable

Multi-Shielded Pairs
with Overall Shield (XLPO/CSPE)



90°C*, 600 Volt
NEC Type TC
UL Listed

16 AWG, 7 Strand

Product Code	Number of Pairs	Insulation Thickness (inch)	Insulation Thickness (mm)	Insulated Conductor Diameter (inch)	Drain Wire Size/Stranding	Jacket Thickness (Mils)	Nominal Overall Diameter (inch)	Nominal Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
RTUFF-16-2SPOS-600V	2	.025	.64	.11	18 AWG (16/s)	45	0.500	12.7	145
RTUFF-16-3SPOS-600V	3	.025	.64	.11	18 AWG (16/s)	45	0.575	14.6	180
RTUFF-16-4SPOS-600V	4	.025	.64	.11	18 AWG (16/s)	60	0.630	16.0	217
RTUFF-16-5SPOS-600V	5	.025	.64	.11	18 AWG (16/s)	60	0.685	17.4	261
RTUFF-16-7SPOS-600V	7	.025	.64	.11	18 AWG (16/s)	60	0.750	19.0	332
RTUFF-16-9SPOS-600V	9	.025	.64	.11	18 AWG (16/s)	60	0.920	23.4	454
RTUFF-16-12SPOS-600V	12	.025	.64	.11	18 AWG (16/s)	80	1.025	26.0	561
RTUFF-16-15SPOS-600V	15	.025	.64	.11	18 AWG (16/s)	80	1.140	29.0	672
RTUFF-16-19SPOS-600V	19	.025	.64	.11	18 AWG (16/s)	80	1.200	30.5	808
RTUFF-16-37SPOS-600V	37	.025	.64	.11	18 AWG (16/s)	80	1.615	41.0	1472

18 AWG, 7 Strand

Product Code	Number of Pairs	Insulation Thickness (inch)	Insulation Thickness (mm)	Insulated Conductor Diameter (inch)	Drain Wire Size/Stranding	Jacket Thickness (Mils)	Nominal Overall Diameter (inch)	Nominal Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
RTUFF-18-2SPOS-600V	2	.025	.64	.10	20 AWG (10/s)	45	0.475	12.1	115
RTUFF-18-3SPOS-600V	3	.025	.64	.10	20 AWG (10/s)	45	0.505	12.8	134
RTUFF-18-4SPOS-600V	4	.025	.64	.10	20 AWG (10/s)	45	0.580	14.7	169
RTUFF-18-5SPOS-600V	5	.025	.64	.10	20 AWG (10/s)	60	0.635	16.1	213
RTUFF-18-7SPOS-600V	7	.025	.64	.10	20 AWG (10/s)	60	0.690	17.5	255
RTUFF-18-9SPOS-600V	9	.025	.64	.10	20 AWG (10/s)	60	0.805	20.4	323
RTUFF-18-12SPOS-600V	12	.025	.64	.10	20 AWG (10/s)	60	0.950	24.1	431
RTUFF-18-15SPOS-600V	15	.025	.64	.10	20 AWG (10/s)	80	1.050	26.7	513
RTUFF-18-17SPOS-600V	19	.025	.64	.10	20 AWG (10/s)	80	1.100	27.9	570
RTUFF-18-37SPOS-600V	37	.025	.64	.10	20 AWG (10/s)	80	1.500	38.1	1196



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