

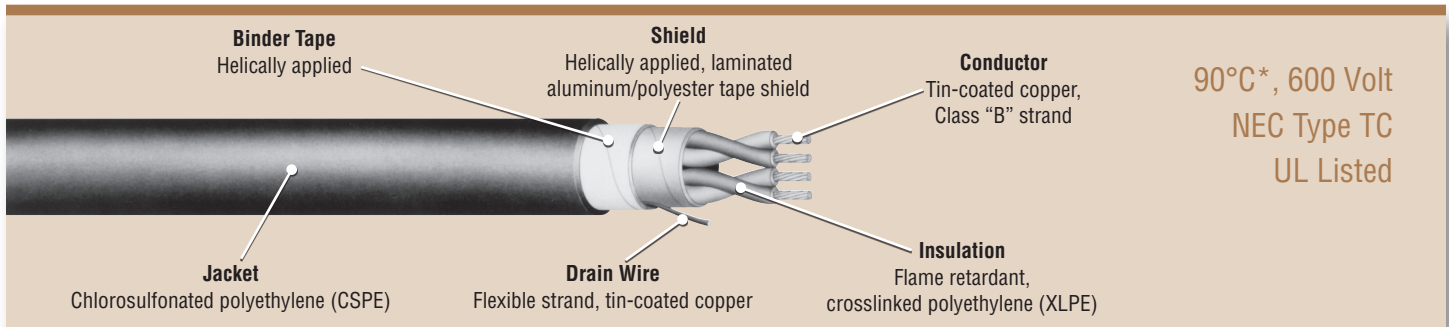
# Rock-Tuff®

## Instrumentation Cable

Multi-Unshielded Pairs with Overall Shield (XLPE/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-19-81 Section 6.19.6 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 polyethylene

**Pair Assembly:** Two insulated conductors twisted

**Cabling:** Required number of pairs cabled together

**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)

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

**Binder Tape:** Helically applied

**Jacket:** Black, heavy-duty chlorosulfonated polyethylene (also available in neoprene)

### 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 is required but shielding between pairs is not 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.



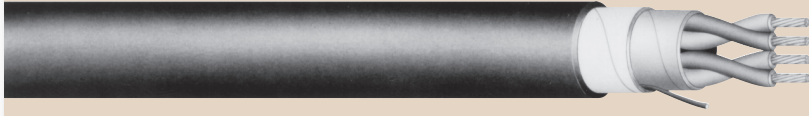
Made in the USA



Marmon Electrical  
A Berkshire Hathaway Company

# Rock-Tuff® Instrumentation Cable

Multi-Unshielded Pairs  
with Overall Shield (XLPE/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-16-2POS-600V	2	.025	.64	.11	18 AWG (16/s)	45	.47	11.94	135
RTUFF-16-3POS-600V	3	.025	.64	.11	18 AWG (16/s)	45	.50	12.70	165
RTUFF-16-4POS-600V	4	.025	.64	.11	18 AWG (16/s)	60	.60	15.24	240
RTUFF-16-5POS-600V	5	.025	.64	.11	18 AWG (16/s)	60	.65	16.51	285
RTUFF-16-7POS-600V	7	.025	.64	.11	18 AWG (16/s)	60	.71	18.03	310
RTUFF-16-9POS-600V	9	.025	.64	.11	18 AWG (16/s)	60	.82	20.83	390
RTUFF-16-12POS-600V	12	.025	.64	.11	18 AWG (16/s)	80	.96	24.38	535
RTUFF-16-15POS-600V	15	.025	.64	.11	18 AWG (16/s)	80	1.06	26.92	620
RTUFF-16-19POS-600V	19	.025	.64	.11	18 AWG (16/s)	80	1.12	28.45	720
RTUFF-16-37POS-600V	37	.025	.64	.11	18 AWG (16/s)	80	1.48	37.59	1270

## 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-18-2POS-600V	2	.025	.64	.10	20 AWG (10/s)	45	.43	10.92	110
RTUFF-18-3POS-600V	3	.025	.64	.10	20 AWG (10/s)	45	.46	11.68	130
RTUFF-18-4POS-600V	4	.025	.64	.10	20 AWG (10/s)	45	.52	13.21	170
RTUFF-18-5POS-600V	5	.025	.64	.10	20 AWG (10/s)	60	.59	14.99	220
RTUFF-18-7POS-600V	7	.025	.64	.10	20 AWG (10/s)	60	.64	16.26	240
RTUFF-18-9POS-600V	9	.025	.64	.10	20 AWG (10/s)	60	.75	19.05	300
RTUFF-18-12POS-600V	12	.025	.64	.10	20 AWG (10/s)	60	.83	21.08	375
RTUFF-18-15POS-600V	15	.025	.64	.10	20 AWG (10/s)	80	.96	24.38	475
RTUFF-18-19POS-600V	19	.025	.64	.10	20 AWG (10/s)	80	1.01	25.65	545
RTUFF-18-37POS-600V	37	.025	.64	.10	20 AWG (10/s)	80	1.34	34.04	945



Made in the USA



Marmon Electrical  
A Berkshire Hathaway Company