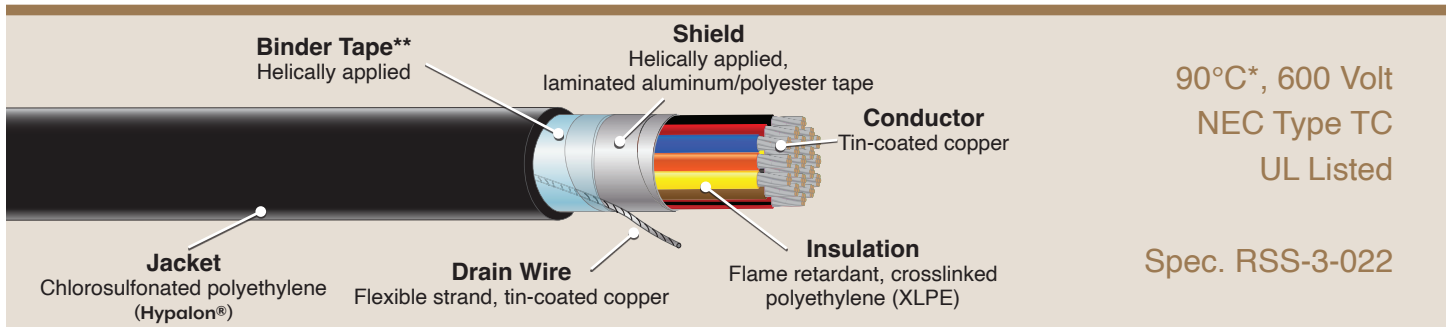


Firewall® III-C Instrumentation Cable

Multi-Conductor Shielded XLPE/CSPE (Hypalon®)



Features

- Thermoset insulation and jacket for enhanced thermal stability
- Specially formulated insulation for superior long term water resistance
- Extremely flame retardant
- Long term sustainability
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Easy strippability for installation ease

Performance Standards

- Insulation in accordance with XLPE requirements of ANSI/NEMA WC 57/ICEA S-73-532
- UL approved 90°C for both wet and dry locations
- Jacket in accordance with ANSI/NEMA WC 57/ICEA S-73-532
- Cable passes UL 1685 and IEEE 383-1974 Cable Tray Tests
- Single conductors pass UL VW-1 Flame Test
- UL Listed Type TC for Cable Tray Installation (UL 1277)
- UL Listed for Sunlight Resistance

Construction

- **Conductor:** Annealed, tin-coated copper, Class “B” strand (ASTM B8 & B33)
- **Insulation:** Proprietary heat, moisture, flame retardant, and radiation resistant crosslinked polyethylene (XLPE)
- **Circuit Identification:** Colored insulation per ICEA Method 1, Table E-1 or E-2 identification
- **Fillers:** As applicable
- **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, chlorosulfonated polyethylene (CSPE) Hypalon®

Scope

Firewall® III-C is a high quality commercial grade multi-conductor tray cable with both thermoset insulation and jacket engineered to operate continuously in rugged environments. It may be installed in metal trays, conduits, or ducts. It is intended for use in critical circuits for instrumentation and controls where shielding from external EMI is required.

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

** Not required on 2, 3 and 4 conductor configurations



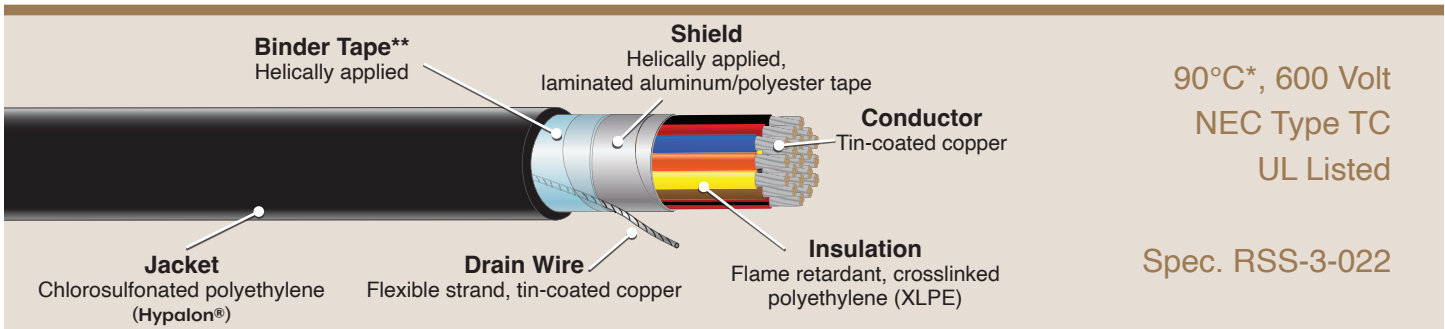
Made in the USA



Marmon Electrical
A Berkshire Hathaway Company

Firewall® III-C Instrumentation Cable

Multi-Conductor Shielded XLPE/CSPE (Hypalon®)



18 AWG, 7 Strand

Product Code (E-2 Color)	Product Code (E-1 Color)	Number of Conductors	Insulation Thickness (inch)	Insulation Thickness (mm)	Insulation Diameter (inch)	Insulation Diameter (mm)	Drain Wire Size/Stranding	Jacket Thickness (inch)	Jacket Thickness (mm)	Nom. Overall Diameter (inch)	Nom. Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
I57-0027	I57-0028	2	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.300	7.62	45
I57-0037	I57-0038	3	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.315	8.00	60
I57-0047	I57-0048	4	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.340	8.64	70
I57-0057	I57-0058	5	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.365	9.27	80
I57-0077	I57-0078	7	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.395	10.03	100
I57-0097	I57-0098	9	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.495	12.57	130
I57-0127	I57-0128	12	0.025	0.635	0.100	2.540	20 AWG 10s	0.045	1.143	0.510	12.95	155
I57-0157	I57-0158	15	0.025	0.635	0.100	2.540	20 AWG 10s	0.060	1.524	0.590	14.99	205
I57-0197	I57-0198	19	0.025	0.635	0.100	2.540	20 AWG 10s	0.060	1.524	0.620	15.75	245
I57-0277	I57-0278	27	0.025	0.635	0.100	2.540	20 AWG 10s	0.060	1.524	0.735	18.67	330
I57-0377	I57-0378	37	0.025	0.635	0.100	2.540	20 AWG 10s	0.060	1.524	0.815	20.70	430

16 AWG, 7 Strand

Product Code (E-2 Color)	Product Code (E-1 Color)	Number of Conductors	Insulation Thickness (inch)	Insulation Thickness (mm)	Insulation Diameter (inch)	Insulation Diameter (mm)	Drain Wire Size/Stranding	Jacket Thickness (inch)	Jacket Thickness (mm)	Nom. Overall Diameter (inch)	Nom. Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
I56-0021	I56-0022	2	0.025	0.635	0.110	2.794	18 AWG 16s	0.045	1.143	0.320	8.13	60
I56-0031	I56-0032	3	0.025	0.635	0.110	2.794	18 AWG 16s	0.045	1.143	0.335	8.51	75
I56-0041	I56-0042	4	0.025	0.635	0.110	2.794	18 AWG 16s	0.045	1.143	0.365	9.27	90
I56-0051	I56-0052	5	0.025	0.635	0.110	2.794	18 AWG 16s	0.045	1.143	0.395	10.03	105
I56-0071	I56-0072	7	0.025	0.635	0.110	2.794	18 AWG 16s	0.045	1.143	0.430	10.92	130
I56-0091	I56-0092	9	0.025	0.635	0.110	2.794	18 AWG 16s	0.060	1.524	0.565	14.35	185
I56-0121	I56-0122	12	0.025	0.635	0.110	2.794	18 AWG 16s	0.060	1.524	0.585	14.86	225
I56-0151	I56-0152	15	0.025	0.635	0.110	2.794	18 AWG 16s	0.060	1.524	0.645	16.38	270
I56-0191	I56-0192	19	0.025	0.635	0.110	2.794	18 AWG 16s	0.060	1.524	0.675	17.15	320
I56-0271	I56-0272	27	0.025	0.635	0.110	2.794	18 AWG 16s	0.060	1.524	0.800	20.32	440
I56-0371	I56-0372	37	0.025	0.635	0.110	2.794	18 AWG 16s	0.080	2.032	0.935	23.75	610

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

** Not required on 2, 3, and 4 conductor configurations



Made in the USA



Marmon Electrical
A Berkshire Hathaway Company