

Features

- Low Smoke Zero Halogen Design
- RoHS compliant insulation and jacket
- Thermoset insulation for enhanced thermal stability
- Specially formulated insulation for exceptional long term water resistance
- Superior flame retardance
- Excellent mechanical properties
- Tin-coated copper conductors for improved terminations and corrosion resistance
- Reduced size and weight for increased raceway capacity
- Easy strippability
- Low friction surface for reduced pulling tension

Performance Standards

- Insulation in accordance with ICEA and UL standards
- Insulated conductors are UL Listed Type RFHH-2
- UL listed type TC (UL 1277) in accordance with NEC
- Passes IEEE 1202/FT4 vertical tray flame test and ICEA 70,000 BTU/hr vertical tray flame test (T-30-520)
- Single conductors pass vertical flame test Type A as defined in ICEA S-95-658 (6.8.2)
- UL listed Type LS (limited smoke) per UL 1277 and UL 1685
- UL approved 90°C for both wet and dry locations
- Jacket exceeds requirements for UL class XL/90°C and ICEA publication T-33-655, Type II
- UL listed for sunlight resistance
- UL listed as gasoline and oil resistance
- Meets the requirements of NFPA 130 & 502

Construction

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

Insulation: Flame retardant low Smoke Zero Halogen crosslinked polyolefin

Circuit Identification: Printed numbers per ICEA Method 4. (Alt. colors available upon request)

Fillers: (Where required)

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

Binder tape: Helically applied polyester

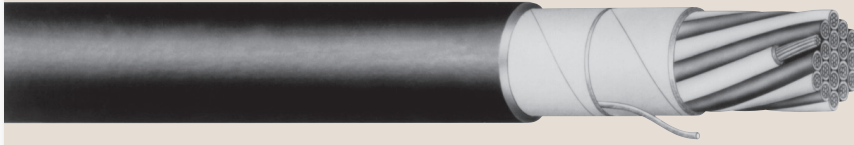
Jacket: Reduced wall, black, flame retardant crosslinked low smoke zero halogen polyolefin

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

Scope

Firewall[®] LSZH is a totally low smoke, zero halogen cable comprised of both thermoset insulation and jacket material. It provides superior resistance to fire and moisture. It may be installed in wet and dry locations, indoors and outdoors, in metal trays, conduits, ducts, or in direct burial applications. It is ideal for applications in transit systems and tunnels to perform a variety of control and related functions. Designed for use on circuits where shielding from external electrostatic interference is required.

Firewall® LSZH Instrumentation Cable



Multi-Conductor Shielded
(XLPO/LSZH/XLPO)
NFPA 130 & 502
90°C*, 600 Volt
NEC Type TC
UL Listed

16 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness		Insulated Cond. Diameter		Nominal OD		Approximate Cable Weight	
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(lbs/kft)	(kg/km)
I46-0036	3	.030	0.76	.12	3.05	0.33	8.38	73	109
I46-0046	4	.030	0.76	.12	3.05	0.36	9.14	90	134
I46-0056	5	.030	0.76	.12	3.05	0.4	10.16	105	156
I46-0076	7	.030	0.76	.12	3.05	0.43	10.92	134	199
I46-0096	9	.030	0.76	.12	3.05	0.53	13.46	183	272
I46-0126	12	.030	0.76	.12	3.05	0.59	14.99	228	339
I46-0156	15	.030	0.76	.12	3.05	0.66	16.51	278	414
I46-0196	19	.030	0.76	.12	3.05	0.69	17.53	335	499
I46-0276	27	.030	0.76	.12	3.05	0.87	21.84	496	738
I46-0376	37	.030	0.76	.12	3.05	0.97	24.64	650	967

18 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness		Insulated Cond. Diameter		Nominal OD		Approximate Cable Weight	
		(Inch)	(mm)	(Inch)	(mm)	(Inch)	(mm)	(lbs/kft)	(kg/km)
I57-0036	3	.030	0.76	.11	2.79	0.31	7.87	57	85
I57-0046	4	.030	0.76	.11	2.79	0.33	8.38	69	103
I57-0056	5	.030	0.76	.11	2.79	0.37	9.40	80	119
I57-0076	7	.030	0.76	.11	2.79	0.4	10.16	102	152
I57-0096	9	.030	0.76	.11	2.79	0.46	11.68	131	195
I57-0126	12	.030	0.76	.11	2.79	0.54	13.72	174	259
I57-0156	15	.030	0.76	.11	2.79	0.6	15.24	212	315
I57-0196	19	.030	0.76	.11	2.79	0.63	16.00	259	378
I57-0276	27	.030	0.76	.11	2.79	0.76	19.05	347	516
I57-0376	37	.030	0.76	.11	2.79	0.89	22.61	493	739

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Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company