



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 jacket for reduced pulling tension

Performance Standards

- Insulation in accordance with ICEA and UL standards
- Insulated conductors are UL Listed Type RHW-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)

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.

Firewall® LSZH Type TC Control Cable

14 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness (Inch)	Insulated Conductor Diameter (Inch)	Overall Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Approximate Net Weight (Lbs/M')
C560021	2	.055	.185	35	.445	95
C560031	3	.055	.185	35	.475	125
C560041	4	.055	.185	45	.540	170
C560051	5	.055	.185	45	.595	200
C560071	7	.055	.185	45	.650	260
C560091	9	.055	.185	65	.875	375
C560121	12	.055	.185	45	.905	465
C560191	19	.055	.185	65	1.055	685
C560251	25	.055	.185	65	1.290	900
C560371	37	.055	.185	65	1.430	1260

12 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness (Inch)	Insulated Conductor Diameter (Inch)	Overall Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Approximate Net Weight (Lbs/M')
C550031	3	.055	0.205	45	.535	170
C550041	4	.055	0.205	45	.585	215
C550051	5	.055	0.205	45	.645	255
C550071	7	.055	0.205	45	.705	340
C550091	9	.055	0.205	65	.950	475
C550121	12	.055	0.205	65	.980	595
C550191	19	.055	0.205	65	1.150	895
C550251	25	.055	0.205	65	1.405	1170
C550371	37	.055	0.205	65	1.555	1655

10 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness (Inch)	Insulated Conductor Diameter (Inch)	Overall Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Approximate Net Weight (Lbs/M')
C540031	3	.055	0.230	45	.585	225
C540041	4	.055	0.230	45	.645	285
C540051	5	.055	0.230	45	.710	340
C540071	7	.055	0.230	45	.775	455
C540091	9	.055	0.230	65	1.040	630
C540121	12	.055	0.230	65	1.075	795
C540191	19	.055	0.230	65	1.270	1205
C540251	25	.055	0.230	65	1.550	1580
C540371	37	.055	0.230	95	1.785	2360



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