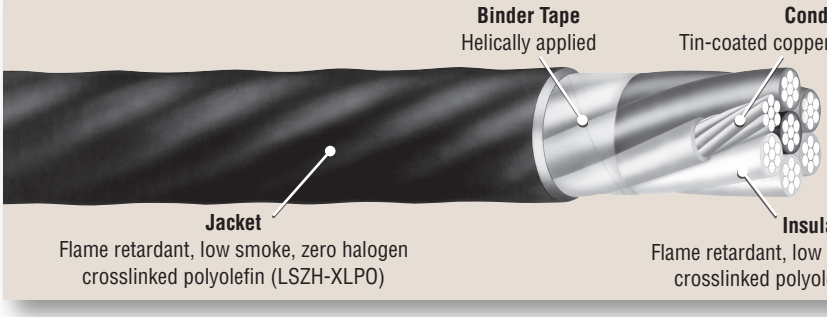
EXANE®

Firewall® LSZH
Type TC Control Cable



90°C, 600 Volt
NEC Type TC
UL Listed
NFPA 130 & 502

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

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.

Performance Standards

- Insulation in accordance with ICEA and UL standards
- Insulated conductors are UL Listed Type XHHW-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.

RSCC® World Class Engineered Cable

MARMON

Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company

Firewall® LSZH
Type TC Control Cable

14 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness (Inch)	Insulation Thickness (mm)	Insulated Conductor Diameter (Inch)	Overall Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Nominal Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
C530021	2	.030	.76	.13	35	.34	8.64	67
C530031	3	.030	.76	.13	35	.36	9.14	86
C530041	4	.030	.76	.13	35	.40	10.16	110
C530051	5	.030	.76	.13	35	.44	11.18	133
C530071	7	.030	.76	.13	35	.47	11.94	170
C530091	9	.030	.76	.13	45	.58	14.73	235
C530121	12	.030	.76	.13	45	.65	16.51	295
C530191	19	.030	.76	.13	45	.76	19.30	444
C530251	25	.030	.76	.13	65	.93	23.62	616
C530371	37	.030	.76	.13	65	1.07	26.42	870

12 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness (Inch)	Insulation Thickness (mm)	Insulated Conductor Diameter (Inch)	Overall Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Nominal Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
C520021	2	.030	.76	.15	35	.38	9.65	90
C520031	3	.030	.76	.15	35	.40	10.16	118
C520041	4	.030	.76	.15	35	.44	11.18	151
C520051	5	.030	.76	.15	35	.49	12.45	184
C520071	7	.030	.76	.15	45	.55	13.97	250
C520091	9	.030	.76	.15	45	.65	16.51	324
C520121	12	.030	.76	.15	45	.73	18.54	411
C520191	19	.030	.76	.15	65	.90	22.86	662
C520251	25	.030	.76	.15	65	1.05	26.67	860
C520371	37	.030	.76	.15	65	1.20	30.48	1225

10 AWG, 7 Strand

Product Code	Number of Conductors	Insulation Thickness (Inch)	Insulation Thickness (mm)	Insulated Conductor Diameter (Inch)	Overall Jacket Thickness (Mils)	Nominal Overall Diameter (Inch)	Nominal Overall Diameter (mm)	Approximate Net Weight (Lbs/M')
C510021	2	.030	.76	.18	35	.43	10.92	125
C510031	3	.030	.76	.18	35	.46	11.68	165
C510041	4	.030	.76	.18	45	.52	13.21	225
C510051	5	.030	.76	.18	45	.57	14.48	275
C510071	7	.030	.76	.18	45	.62	15.75	360
C510091	9	.030	.76	.18	45	.73	18.54	460
C510121	12	.030	.76	.18	65	.87	22.10	625
C510191	19	.030	.76	.18	65	1.02	25.91	950
C510251	25	.030	.76	.18	65	1.19	30.23	1235
C510371	37	.030	.76	.18	65	1.37	34.80	1770

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