



## 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
- Easy strippability
- Aerial installation

## Performance Standards

- Insulation in accordance with ICEA, UL and AREMA 2020 10.3.26 Class 2 standards
- Insulation thickness per AREMA 2020 10.3.16 Type VI LSZH AERIAL
- Jacket in accordance with ICEA, UL and AREMA 2020 10.3.13 Thermosetting Jacket
- Jacket thickness per AREMA 10.3.16 2020 Type IV
- Insulated conductors are UL Listed Type RHW-2
- UL listed type TC (UL 1277) in accordance with NEC
- UL listed -ST1 (limited smoke) per UL 1277 and UL 1685 with IEEE 1202/FT4 flame method
- 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
- Meets the requirements of NFPA 130-2020
- Insulation and jacket toxicity index does not exceed 2.0% per NES 713
- Insulation and jacket halogen content does not exceed 0.2% per MIL-DTL-24643
- Insulation and jacket acid gas content does not exceed 2.0% per MIL-DTL-24643

## Construction

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

**Insulation:** Flame retardant low Smoke Zero Halogen crosslinked polyolefin

**Circuit Identification:** Printed numbers per ICEA S-73-532 Method 4.

**Fillers:** (Where required)

**Binder tape:** Helically applied polyester

**Jacket:** 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

RSCC LSZH Signal 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 signal applications in transit systems and tunnels to perform a variety of control and related functions.

# LSZH Signal Cable

## Aerial AREMA Design

### NFPA 130 Compliant Signal Cable

#### 14 AWG Configurations, 19/.0142", 600V

Part number	Number of Conductors	Size AWG	Cond OD Nom	Nom Wall	Insulation OD Nom	Jacket Thickness	Overall Diameter	Nom Wt lbs/1000 ft
EZ02014-700	2/C	14	0.067"	0.045"	0.160"	0.060"	0.45"	101
EZ03014-700	3/C	14	0.067"	0.045"	0.160"	0.060"	0.47"	128
EZ04014-700	4/C	14	0.067"	0.045"	0.160"	0.060"	0.51"	157
EZ05014-700	5/C	14	0.067"	0.045"	0.160"	0.080"	0.60"	207
EZ07014-700	7/C	14	0.067"	0.045"	0.160"	0.080"	0.65"	262
EZ09014-700	9/C	14	0.067"	0.045"	0.160"	0.080"	0.81"	338
EZ10014-700	10/C	14	0.067"	0.045"	0.160"	0.080"	0.81"	361
EZ12014-700	12/C	14	0.067"	0.045"	0.160"	0.080"	0.83"	413
EZ19014-700	19/C	14	0.067"	0.045"	0.160"	0.095"	1.00"	631
EZ27014-700	27/C	14	0.067"	0.045"	0.160"	0.095"	1.18"	859
EZ37014-700	37/C	14	0.067"	0.045"	0.160"	0.110"	1.35"	1163

#### 9 AWG Configurations, 19/.0262", 600V

Part number	Number of Conductors	Size AWG	Cond OD Nom	Nom Wall	Insulation OD Nom	Jacket Thickness	Overall Diameter	Nom Wt lbs/1000 ft
EZ02009-700	2/C	9	0.126"	0.045"	0.22"	0.080"	0.60"	215
EZ03009-700	3/C	9	0.126"	0.045"	0.22"	0.080"	0.64"	280
EZ04009-700	4/C	9	0.126"	0.045"	0.22"	0.080"	0.70"	351
EZ05009-700	5/C	9	0.126"	0.045"	0.22"	0.080"	0.76"	413
EZ07009-700	7/C	9	0.126"	0.045"	0.22"	0.080"	0.82"	543
EZ09009-700	9/C	9	0.126"	0.045"	0.22"	0.095"	1.07"	736
EZ12009-700	12/C	9	0.126"	0.045"	0.22"	0.095"	1.10"	919
EZ15009-700	15/C	9	0.126"	0.045"	0.22"	0.095"	1.22"	1123

#### 6 AWG Configurations, 19/.0372", 600V

Part number	Number of Conductors	Size AWG	Cond OD Nom	Nom Wall	Insulation OD Nom	Jacket Thickness	Overall Diameter	Nom Wt lbs/1000 ft
EZ02006-700	2/C	6	0.184"	0.060"	0.31"	0.080"	0.78"	368
EZ03006-700	3/C	6	0.184"	0.060"	0.31"	0.080"	0.83"	494
EZ04006-700	4/C	6	0.184"	0.060"	0.31"	0.095"	0.94"	657
EZ05006-700	5/C	6	0.184"	0.060"	0.31"	0.095"	1.03"	777

#### 4 AWG Configurations, 19/.0469", 600V

Part number	Number of Conductors	Size AWG	Cond OD Nom	Nom. Wall	Insulation OD Nom	Jacket Thickness	Overall Diameter	Nom Wt lbs/1000 ft
EZ04004-700	4/C	4	0.227"	0.080"	0.39"	0.095"	1.14"	999



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