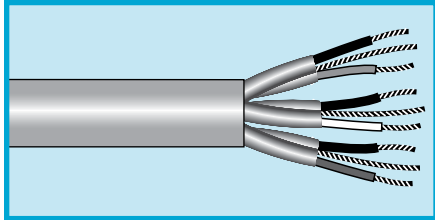
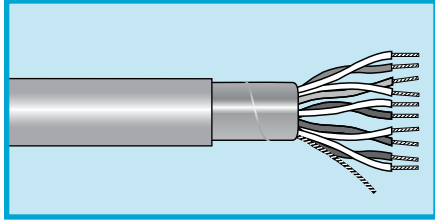


## Low-Smoke Zero-Halogen Cable

300 V Foil Shielded, Multipair, LSZH

Alpha  
Essentials



### Operating Temperature

- -20°C to +75°C

### Materials

- Stranded tinned copper conductors
- LSZH insulation (Polypropylene insulation for individually foil shielded pairs)
- Aluminum/polyester shielding, with 25% overlap min. Foil facing inward
- Tinned copper drain wire sized the same as the conductors
- Slate LSZH jacket

### Ratings

- LSZH Flammability: Passes IEC 60332-1
- LSZH Acid Gas Generation: Passes IEC 60754-1 and 60754-2
- LSZH Smoke Emission: Passes IEC 61034-2

### Conductor Color Coding

- See tables

Alpha Wire's LSZH communication and control cable combines LSZH-rated insulation and jackets with the rugged performance you expect from Alpha Wire products. The specially formulated LSZH material minimizes the effects from smoke and harmful corrosive gases in the event of combustion. Low smoke means easier visibility in exiting the area and reduced danger of smoke inhalation, while low toxicity means no harm to people from halogenated gases.

### 24 AWG (0.22 mm<sup>2</sup>)

Stranding: 7/32 (7 x 0.20 mm)  
Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
5471L	1	0.156	3.86	0.030	0.76
5472L	2	0.208	5.28	0.030	0.76
5473L	3	0.220	5.59	0.030	0.76
5474L	4	0.229	5.82	0.250	0.64
5475L	5	0.250	6.35	0.250	0.64
5476L	6	0.272	6.91	0.250	0.64
5477L	7	0.272	6.91	0.250	0.64
5478L	8	0.294	7.47	0.250	0.64
5479L	9	0.317	8.05	0.250	0.64
5480L	10	0.343	8.71	0.250	0.64

### 22 AWG (0.35 mm<sup>2</sup>)

Stranding: 7/30 (7 x 0.25 mm)  
Insulation thickness: 0.010 (0.25 mm)

Part No.	Pairs	Nominal Diameter		Jacket Thickness	
		Inch	mm	Inch	mm
2466L <sup>+</sup>	2	0.190	4.83	0.030	0.76
6010L	3	0.254	6.45	0.025	0.64
2463L <sup>+++</sup>	4	0.240	6.10	0.025	0.64
6012L	6	0.335	8.57	0.025	0.64
6014L	9	0.394	10.01	0.025	0.64
6017L	12	0.453	11.51	0.030	0.76

\*Conductor color coding: 1 Red-Black, 2 Green-White, White/Red-White/Black, 4 White/Green-White/Yellow.  
†0.009 (0.23) insulation thickness.

\*\*0.008 (0.20) insulation thickness.