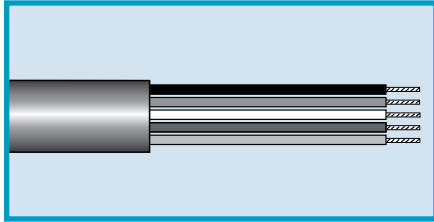


# Communication and Control Cable

## 300 V Unshielded, Multiconductor, LSZH



Alpha Wire's LSZH communication and control cable combines LSZH-rated insulation and jackets with the rugged performance you expect from Alpha. 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.

### UL CM VW-1 CSA CMG FT4

#### Operating Temperature

- -20°C to +75°C

#### Materials

- Stranded tinned copper conductors
- LSZH insulation
- Slate LSZH jacket

### LSZH Properties

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

#### LSZH Unshielded Multiconductor Conductor Color Coding: Chart D

##### 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. | Conductors | Nominal Diameter |      | Jacket Thickness |      |
|----------|------------|------------------|------|------------------|------|
|          |            | Inch             | mm   | Inch             | mm   |
| 1172L    | 2          | 0.161            | 4.09 | 0.028            | 0.71 |
| 1173L    | 3          | 0.169            | 4.29 | 0.028            | 0.71 |
| 1174L    | 4          | 0.189            | 4.80 | 0.028            | 0.71 |
| 1175L    | 5          | 0.201            | 5.11 | 0.028            | 0.71 |
| 1176L    | 6          | 0.209            | 5.31 | 0.030            | 0.76 |
| 1177L    | 7          | 0.209            | 5.31 | 0.030            | 0.76 |
| 1178L    | 8          | 0.220            | 5.59 | 0.030            | 0.76 |
| 1179L    | 9          | 0.249            | 6.32 | 0.032            | 0.81 |
| 1180L    | 10         | 0.260            | 6.60 | 0.035            | 0.88 |

##### 20 AWG (0.56 mm<sup>2</sup>)

Stranding: 7/28 (0.32 mm)  
Insulation thickness: 0.016 (0.40 mm)

| Part No. | Conductors | Nominal Diameter |      | Jacket Thickness |      |
|----------|------------|------------------|------|------------------|------|
|          |            | Inch             | mm   | Inch             | mm   |
| 1895L    | 2          | 0.181            | 4.60 | 0.018            | 0.45 |
| 1896L    | 3          | 0.189            | 4.80 | 0.020            | 0.50 |
| 1896/4L  | 4          | 0.209            | 5.31 | 0.020            | 0.50 |
| 1896/5L  | 5          | 0.232            | 5.89 | 0.020            | 0.50 |
| 1896/6L  | 6          | 0.276            | 7.01 | 0.020            | 0.50 |