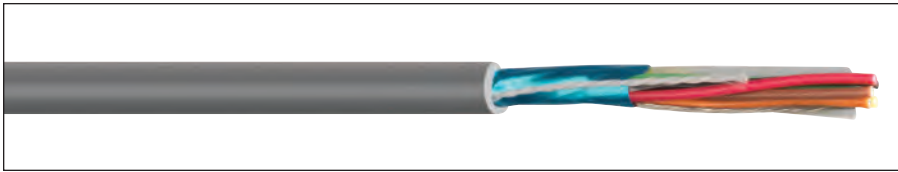


EXZEL® LSZH Multi-Conductor, Foil Shielded

NEC Type CM, CMG, CL2 or PLTC-ER (UL)



Product Construction:

Conductor:

- Fully annealed stranded tinned copper per ASTM B33

Insulation:

- Premium-grade, color-coded LSZH (Thermoplastic Polyolefin)
- Color per Chart A for 24 AWG and 22 AWG on page 97
- Color per Chart B for 20 AWG and larger on page 97
- International colors per IEC Color Chart on page 97

Shield:

- 100% Flexfoil®, aluminum/polyester/aluminum, foil facing in
- Stranded tinned copper drain wire

Jacket:

- Premium FR-LSZH (Thermoplastic Polyolefin)
- Operating temperature range: -40°C to +105°C

Applications:

- Advanced signal transmission in controlled environments
- Medical instrumentation and equipment
- Consumer electronic peripherals
- Industrial process control systems
- Suitable for EIA RS-232 applications

Features:

- Oil-resistant (OIL RES II)
- Sunlight-resistant (SUN RES)
- Nylon ripcord
- UV-resistant

Compliances:

- NEC Article 725 Type PLTC-ER (22 AWG and larger, UL: 105°C, 300 V)
- (-ER): approved for Exposed Run as defined per NEC Article 725
- NEC Article 725 Type CL2 (UL: 105°C, 150 V)
- NEC Article 800 Type CM/CMG (UL: 105°C, 300 V)
- CE Compliant to IEC Directive 93/68/EEC
- RoHS Compliant Directive 2011/65/EU

Compliances: Flame & Smoke

- Vertical Tray Cable Flame Test per UL 1581 and IEEE 383 (70,000 BTU)
- CSA FT4/IEEE 1202 flame test per UL 1685
- IEC 60332-1, 3, Cat A: Flammability
- IEC 61034-1, 2 and Mil-DTL-24643B and NES 711: Smoke Index Emission
- IEC 60754-1, 2 and Mil-DTL-24643B: Halogen Content and Acid Gas Generation

Packaging

- Please contact Customer Service for packaging and color options

Data subject to change.

| PART NUMBER | COND. | AWG SIZE | COND. STRAND | NOMINAL INSULATION THICKNESS | | NOMINAL JACKET THICKNESS | | NOMINAL CABLE DIAMETER | |
|-------------|-------|----------|--------------|------------------------------|------|--------------------------|------|------------------------|-------|
| | | | | in | mm | in | mm | in | mm |
| C9100ZH | 2 | 24 | 7/32 | 0.010 | 0.25 | 0.032 | 0.81 | 0.165 | 4.19 |
| C9101ZH | 3 | 24 | 7/32 | 0.010 | 0.25 | 0.032 | 0.81 | 0.172 | 4.36 |
| C9102ZH | 4 | 24 | 7/32 | 0.010 | 0.25 | 0.032 | 0.81 | 0.183 | 4.66 |
| C9103ZH | 6 | 24 | 7/32 | 0.010 | 0.25 | 0.032 | 0.81 | 0.209 | 5.31 |
| C9104ZH | 8 | 24 | 7/32 | 0.010 | 0.25 | 0.032 | 0.81 | 0.223 | 5.66 |
| C9105ZH | 10 | 24 | 7/32 | 0.010 | 0.25 | 0.032 | 0.81 | 0.253 | 6.43 |
| C9106ZH | 15 | 24 | 7/32 | 0.010 | 0.25 | 0.037 | 0.94 | 0.294 | 7.46 |
| C9107ZH | 20 | 24 | 7/32 | 0.010 | 0.25 | 0.037 | 0.94 | 0.321 | 8.14 |
| C9108ZH | 25 | 24 | 7/32 | 0.010 | 0.25 | 0.037 | 0.94 | 0.351 | 8.92 |
| C9109ZH | 2 | 22 | 7/30 | 0.013 | 0.33 | 0.037 | 0.94 | 0.187 | 4.75 |
| C9110ZH | 3 | 22 | 7/30 | 0.013 | 0.33 | 0.037 | 0.94 | 0.195 | 4.94 |
| C9111ZH | 4 | 22 | 7/30 | 0.013 | 0.33 | 0.037 | 0.94 | 0.208 | 5.28 |
| C9112ZH | 6 | 22 | 7/30 | 0.013 | 0.33 | 0.037 | 0.94 | 0.237 | 6.02 |
| C9113ZH | 8 | 22 | 7/30 | 0.013 | 0.33 | 0.037 | 0.94 | 0.253 | 6.41 |
| C9114ZH | 10 | 22 | 7/30 | 0.013 | 0.33 | 0.042 | 1.07 | 0.297 | 7.54 |
| C9115ZH | 15 | 22 | 7/30 | 0.013 | 0.33 | 0.042 | 1.07 | 0.332 | 8.43 |
| C9116ZH | 20 | 22 | 7/30 | 0.013 | 0.33 | 0.042 | 1.07 | 0.363 | 9.21 |
| C9117ZH | 25 | 22 | 7/30 | 0.013 | 0.33 | 0.052 | 1.32 | 0.417 | 10.59 |
| C9118ZH | 2 | 20 | 7/28 | 0.016 | 0.41 | 0.037 | 0.94 | 0.227 | 5.77 |
| C9119ZH | 3 | 20 | 7/28 | 0.016 | 0.41 | 0.037 | 0.94 | 0.238 | 6.03 |
| C9120ZH | 4 | 20 | 7/28 | 0.016 | 0.41 | 0.037 | 0.94 | 0.256 | 6.51 |
| C9121ZH | 6 | 20 | 7/28 | 0.016 | 0.41 | 0.042 | 1.07 | 0.307 | 7.80 |
| C9122ZH | 8 | 20 | 7/28 | 0.016 | 0.41 | 0.042 | 1.07 | 0.329 | 8.35 |
| C9123ZH | 10 | 20 | 7/28 | 0.016 | 0.41 | 0.042 | 1.07 | 0.377 | 9.58 |
| C9124ZH | 15 | 20 | 7/28 | 0.016 | 0.41 | 0.052 | 1.32 | 0.446 | 11.33 |
| C9125ZH | 20 | 20 | 7/28 | 0.016 | 0.41 | 0.052 | 1.32 | 0.489 | 12.41 |
| C9126ZH | 25 | 20 | 7/28 | 0.016 | 0.41 | 0.052 | 1.32 | 0.537 | 13.64 |
| C9127ZH | 2 | 18 | 16/30 | 0.016 | 0.41 | 0.037 | 0.94 | 0.243 | 6.17 |
| C9128ZH* | 2 | 18 | 16/30 | 0.016 | 0.41 | 0.037 | 0.94 | 0.243 | 6.17 |
| C9129ZH | 3 | 18 | 16/30 | 0.016 | 0.41 | 0.037 | 0.94 | 0.255 | 6.47 |
| C9130ZH* | 3 | 18 | 16/30 | 0.016 | 0.41 | 0.037 | 0.94 | 0.255 | 6.47 |
| C9131ZH | 4 | 18 | 16/30 | 0.016 | 0.41 | 0.037 | 0.94 | 0.276 | 7.00 |
| C9132ZH | 6 | 18 | 16/30 | 0.016 | 0.41 | 0.042 | 1.07 | 0.331 | 8.41 |
| C9133ZH | 8 | 18 | 16/30 | 0.016 | 0.41 | 0.042 | 1.07 | 0.355 | 9.02 |
| C9134ZH | 10 | 18 | 16/30 | 0.016 | 0.41 | 0.052 | 1.32 | 0.429 | 10.90 |
| C9135ZH | 15 | 18 | 16/30 | 0.016 | 0.41 | 0.052 | 1.32 | 0.484 | 12.28 |
| C9136ZH | 20 | 18 | 16/30 | 0.016 | 0.41 | 0.052 | 1.32 | 0.531 | 13.49 |
| C9137ZH | 25 | 18 | 16/30 | 0.016 | 0.41 | 0.052 | 1.32 | 0.585 | 14.86 |
| C9138ZH | 2 | 16 | 19/.0117 | 0.016 | 0.41 | 0.037 | 0.94 | 0.267 | 6.78 |
| C9139ZH* | 2 | 16 | 19/.0117 | 0.016 | 0.41 | 0.037 | 0.94 | 0.267 | 6.78 |
| C9140ZH | 3 | 16 | 19/.0117 | 0.016 | 0.41 | 0.037 | 0.94 | 0.281 | 7.12 |
| C9141ZH* | 3 | 16 | 19/.0117 | 0.016 | 0.41 | 0.037 | 0.94 | 0.281 | 7.12 |
| C9142ZH | 4 | 16 | 19/.0117 | 0.016 | 0.41 | 0.042 | 1.07 | 0.315 | 8.00 |
| C9143ZH | 6 | 16 | 19/.0117 | 0.016 | 0.41 | 0.042 | 1.07 | 0.367 | 9.32 |
| C9144ZH | 8 | 16 | 19/.0117 | 0.016 | 0.41 | 0.052 | 1.32 | 0.415 | 10.54 |
| C9145ZH | 10 | 16 | 19/.0117 | 0.016 | 0.41 | 0.052 | 1.32 | 0.477 | 12.12 |
| C9146ZH | 15 | 16 | 19/.0117 | 0.016 | 0.41 | 0.052 | 1.32 | 0.540 | 13.72 |
| C9147ZH | 20 | 16 | 19/.0117 | 0.016 | 0.41 | 0.052 | 1.32 | 0.595 | 15.11 |
| C9148ZH | 25 | 16 | 19/.0117 | 0.016 | 0.41 | 0.062 | 1.57 | 0.677 | 17.20 |

* IEC Color Code: Brown, Blue, Green/Yellow.

