



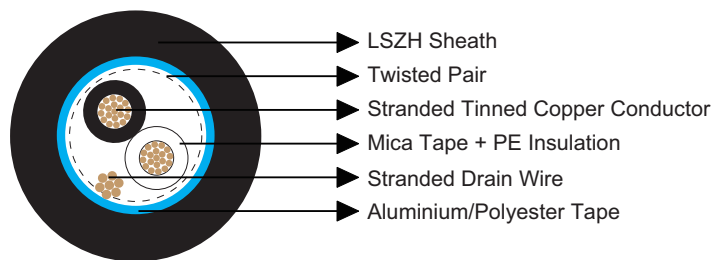
FR Multipair Overall Screened Cables-FR Belden Equivalent 8719

» Application

These fire resistant multipair overall screened cables have pairs laid up in an aluminum/polyester tape with a tinned copper drain wire. These cables are suitable for used as audio, control and instrumentation cables.

» Construction

- » Conductor: Tinned copper wire.
- » Insulation: Mica Tape+PE.
- » Overall Screen: Aluminium/Polyester tape.
- » Drain Wire: Tinned copper wire.
- » Sheath: LSZH.
- » Insulation Colour: Black, Clear.



» Fire Performance

| | |
|---|--|
| Circuit Integrity | IEC 60331-21; BS 6387 CWZ; DIN VDE 0472-814(FE180); CEI 20-36/2-1; SS229-1; NBN C 30-004 (cat. F3); NF C32-070-2.3(CR1) |
| System circuit integrity | DIN 4102-12, E30 depending on lay system |
| Flame Retardance (Single Vertical Wire Test) | EN 60332-1-2; IEC 60332-1-2; BS EN 60332-1-2; VDE 0482-332-1 ; NBN C 30-004 (cat. F1); NF C32-070-2.1(C2); CEI 20-35/1-2; EN 50265-2-1*; DIN VDE 0482-265-2-1* |
| Reduced Fire Propagation (Vertically-mounted bundled wires & cable test) | EN 60332-3-24 (cat. C); IEC 60332-3-24; BS EN 60332-3-24; VDE 0482-332-3; NBN C 30-004 (cat. F2); NF C32-070-2.2(C1); CEI 20-22/3-4; EN 50266-2-4*; DIN VDE 0482-266-2-4 |
| Halogen Free | IEC 60754-1; EN 50267-2-1; DIN VDE 0482-267-2-1; CEI 20-37/2-1 ; BS 6425-1* |
| No Corrosive Gas Emission | IEC 60754-2; EN 50267-2-2; DIN VDE 0482-267-2-2; CEI 20-37/2-2 ; BS 6425-2* |



Special Belden Equivalent Cables

| | |
|-------------------------------|--|
| Minimum Smoke Emission | IEC 61034-1&2; EN 61034 -1&2; DIN VDE 0482-1034-1&2; CEI 20-37/3-1&2; EN 50268-1&2*; BS 7622-1&2* |
| No Toxic gases | NES 02-713; NF C 20-454 |

Note: Asterisk * denotes superseded standard.

» Electrical & Mechanical Characteristics

| | | |
|---|--------------------|---------------------|
| AWG | | 16 |
| Conductor Construction | | 19x0.287 |
| UL Style | | 20253 |
| Maximum Conductor Resistance | Ω/km | 15.8 |
| Voltage Rating | V | 600 |
| Nominal Capacitance Conductor to Conductor | pF/m | 76 |
| Nominal Capacitance Conductor to Screen | pF/m | 144 |
| Bending Radius | | 10xOverall Diameter |
| Operating Temperature | $^{\circ}\text{C}$ | -20~80 |

» Dimensions

| Ordering Code | No. of Pairs | Insulation Thickness | Sheath Thickness | Overall Diameter |
|---------------|--------------|----------------------|------------------|------------------|
| | | mm | mm | mm |
| BE118719FR | 1 | 0.81 | 0.81 | 8.45 |