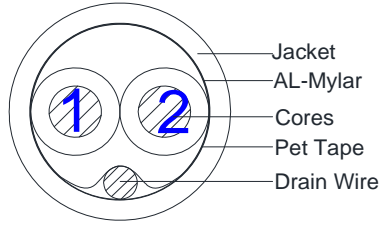


## TECHNICAL DATA SHEET

### Cable Diagram



| Description                |   |
|----------------------------|---|
| Cable Part Code*           | ZM8ACFF01   |
| Cable Description          | 1P×18AWG MGT/XLP/OS/LSZH Fire resistance cable                        |
| Cable References Standards | BS EN 50288-7, IEC 60332-1-2, IEC 60332-3C, IEC 60331-21, BS 6387 CWZ |

| Conductor               |                                    |
|-------------------------|------------------------------------|
| Conductor Material      | Bare Copper                        |
| Conductor Size (AWG)    | 18                                 |
| Conductor Standard      | BS EN 50288-7 & IEC 60228 -Class 2 |
| Fire Protection Barrier | Mica Glass Tape (MGT)              |

| Insulation                             |              |
|--|--------------|
| No. of Cores / Pairs / Triads          | 1 Pair       |
| Insulation Material                    | XLP          |
| Insulation Color Code & Identification | Blue * Black |

| Shielding           |  |
|---------------------|--|
| Shielded/Unshielded | Overall foil Shield with TC drain wire |

| Outer Jacket/Sheath Material |      |
|------------------------------|------|
| Outer Jacket Material        | LSZH |
| Nom. Overall Diameter (mm)   | 8.5  |

| Physical/Mechanical Properties                                |                             |
|---|-----------------------------|
| Temperature Rating (°C)                                       | -30°C To +90°C              |
| Oil Resistance  | Yes                         |
| UV Resistance   | Yes                         |
| Flame / Fire Retardancy                                       | IEC 60332-1-2, IEC 60332-3C |
| Fire Resistance & Circuit Integrity                           | IEC 60331-21, BS 6387 CWZ   |
| Smoke Density as per IEC 61034-2 (Min. Light Transmittance %) | 60%                         |
| Halogen Acid Gas as per IEC 60754-1 (%)                       | 0.50%                       |
| pH Content as per IEC 60754-2                                 | ≥ 4.3                       |
| Conductivity as per IEC 60754-2 (μS/mm)                       | ≤ 10                        |
| Nom. Cable weight (kg/km)                                     | 79.1                        |

| Electrical Properties                              |       |
|--|-------|
| Voltage Rating (V)                                 | 500   |
| Max. Conductor Resistance @ 20°C (Ω/km)            | 21.83 |
| Max Mutual Capacitance Core to Core @ 1KHz (nF/km) | < 150 |
| Max. Inductance (μH/m)                             | ≤ 1   |
| Max. Inductance to Resistance Ratio L/R (μH/Ω)     | < 25  |

\*Ordering stock code will be created at the time of placing the order and the stock code will include cable part code, outer jacket color & putup length.  
Belden Internal Reference Number: SZ-ZM8ACFF01

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