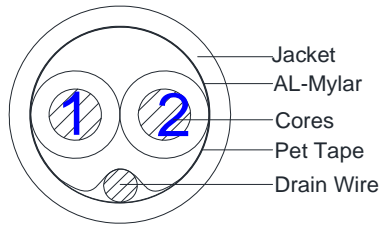


TECHNICAL DATA SHEET

Cable Diagram



Description	
Cable Part Code*	ZM6ACFF01
Cable Description	1P×16AWG 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)	16
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)	9.1

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)	94.9

Electrical Properties	
Voltage Rating (V)	500
Max. Conductor Resistance @ 20°C (Ω/km)	13.77
Max Mutual Capacitance Core to Core @ 1KHz (nF/km)	< 150
Max. Inductance (μH/m)	≤ 1
Max. Inductance to Resistance Ratio L/R (μH/Ω)	< 40

*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-ZM6ACFF01

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