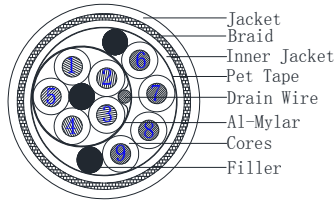


TECHNICAL DATA SHEET

Cable Diagram



Description	
Cable Part Code*	TBA
Cable Description	5C1+4C1mm2 XLPE/OS/LSZH/SWB/LSZH
Cable References Standards	IEC 60332-1-2, IEC 60332-3A

Conductor	
Conductor Material	Bare Copper
Conductor Size (mm ²)	1
Conductor Standard	IEC60092-376 & IEC 60228 Class 5

Insulation	
No. of Cores / Pairs / Triads	9 Cores
Insulation Material	XLPE
Insulation Color Code & Identification	Black cores with number coding 1~9

Shielding	
Shielded/Unshielded	Overall foil shield with TC drain wire

Inner Jacket/Sheath Material	
Inner Jacket Material	LSZH
Nom. Diameter Over Inner Jacket (mm)	11.1

Armoring	
Type of Armor	Galvanized Steel Wire Braid Armour
Nom. Diameter Over Steel Wire (mm)	12.4

Outer Jacket/Sheath Material	
Outer Jacket Material	LSZH
Nom. Overall Diameter (mm)	15.1

Physical/Mechanical Properties	
Temperature Rating (°C)	-30 To +90°C
Oil Resistance	Yes
UV Resistance	Yes
Flame / Fire Retardancy	IEC60332-3A
Fire Resistance & Circuit Integrity	IEC 60331-21, BS 6387 BWY (Fire Survival 750°C for 3 Hours)
Smoke Density as per IEC 61034-2 (Min. Light Transmittance %)	60%
Halogen Acid Gas as per IEC 60754-1 (%)	0.5%
pH Content as per IEC 60754-2	≥ 4.3
Conductivity as per IEC 60754-2 (μS/mm)	≤ 10
Nom. Cable weight (kg/km)	371

Electrical Properties	
Voltage Rating (V)	150/250
Max. Conductor Resistance @ 20°C (Ω/km)	20.7
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.

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