

Audio Control & Instrumentation Cable, 2C to 8C, 18AWG Overall Screen, 90deg Rated HFFR/LSZH Sheath

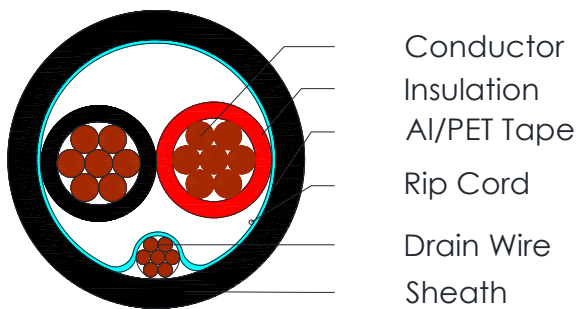


C5015, C5016, C5017, C5018, C5019

Applications

Screened Multi-Conductor cables suitable for Audio, Control, Instrumentation and Building Management Systems (BMS)

Cross Section Drawing



Design

Unit	Properties
Conductor	N x Bare Copper wire, 18AWG flexible
Insulation	HFFR/LSZH Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	24 AWG (7 x 32) Tinned Copper
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Black
Rip Cord	Nylon Yarn
Standard Put Up Length	305 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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90deg Rated HFFR/LSZH Sheath**



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Physical Characteristics

Part Number	C5015	C5016	C5017	C5018	C5019
No of cores x 18AWG (7 x 26)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.2				
Nom. Radial Thickness Insulation (mm)	0.80				
Nom. Radial Thickness Sheath (mm)	0.80				
Nom. Overall Diameter (mm)	7.2	7.6	8.4	9.7	10.5
Operating Temperature (°C)	-25 / +90				
Max. Recommended Pulling Tension (N)	200	299	399	600	797
Min. Bend Radius (install) (mm)	72	76	84	97	105
Nominal Cable Weight (kg/km)	58.5	75.4	93.5	130	163.2

Electrical Characteristics

Part Number	C5015	C5016	C5017	C5018	C5019
No of cores x 18AWG (7 x 26)	2	3	4	6	8
Max. DC Resistance Conductor (Ω/km)	22.7				
Max. DC Resistance Screen (Ω/km)	78.5				
Capacitance conductor to conductor (pF/m)	85	82	78	75	75
Capacitance conductor to rest (pF/m)	165	160	155	148	148
Max. Operating Voltage U ₀ /U (Vrms)	600/1000				

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60754-1 & 2 – BS EN 50267
IEC 61034
IEC 60332-3-24
EN 50525-3-21
RoHS directives