

Audio Control & Instrumentation Cable,

1 to 8 Pairs, 22AWG, Overall Screen, HFFR/LSZH Sheath

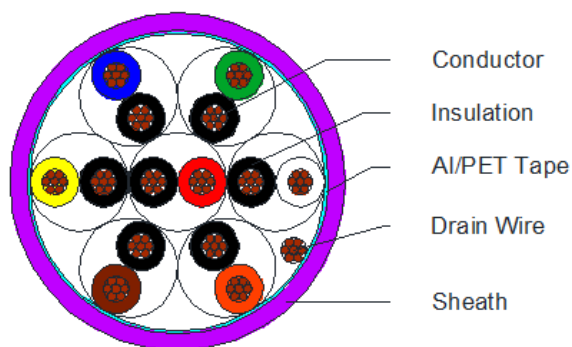


C5115, C5116, C5117, C5118, C5119, C5120, C5121, C5122

Applications

Building Management Systems (BMS), Access Control, Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Halogen Free Flame Retardant (HFFR/LSZH) Pair 1: Black & Red Pair 2: Black & White Pair 3: Black & Green Pair 4: Black & Blue Pair 5: Black & Yellow Pair 6: Black & Brown Pair 7: Black & Orange Pair 8: Red & White
Drain Wire	Tinned Copper wire
Screen	Aluminium/Polyester tape
Sheath Material	Halogen Free Flame Retardant (HFFR/LSZH) Standard Colour: Purple
Standard Put Up Length	305 metres

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

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Physical Characteristics

Part Number	C5115	C5116	C5117	C5118	C5119	C5120	C5121	C5122
No of pairs	1	2	3	4	5	6	7	8
Nom. Conductor Configuration (AWG)	22(7x30)							
Nom. Radial Thickness Insulation (mm)	0.25							
Drain Wire size (AWG)	24(7x32)							
Screen Coverage (%)	115							
Nom. Radial Thickness Sheath (mm)	0.8							
Nom. Overall Diameter (mm)	4.3	6.0	6.6	7.3	7.7	8.1	8.5	8.9
Operating Temperature (°C)	-25 / +75							
Max. Recommend. Pulling Tension (N)	55	110	165	220	275	330	385	440
Min. Bend Radius (install) (mm)	43	60	66	73	77	81	85	89
Nominal Cable Weight (kg/km)	24	41	52	63	73	85	93	104

Electrical Characteristics

Part Number	C5115	C5116	C5117	C5118	C5119	C5120	C5121	C5122
No of pairs	1	2	3	4	5	6	7	8
Max. DC Resistance Conductor (Ω /km)	57.4							
Max. DC Resistance Screen (Ω /km)	78.5							
Capacitance core to core (pF/m)	167	89	88	86	85	84	84	83
Capacitance core to other cores.+screen (pF/m)	320	170	165	165	160	160	160	155
Nominal Velocity of Propagation (%)	60							
Max. Recommend. Current @ 25°C (Amps)	3.0	2.4	2.4	2.0	2.0	1.5	1.5	1.5
Max. Operating Voltage (Vrms)	300							

Reference Standards

IEC 60332-3-24	IEC 60754-1 & 2
IEC 60228	IEC 61034
BS)EN 50290	RoHS directives