

Audio Control & Instrumentation Cable, 2C to 20C, 16AWG Overall Screen, HFFR/LSZH Sheath

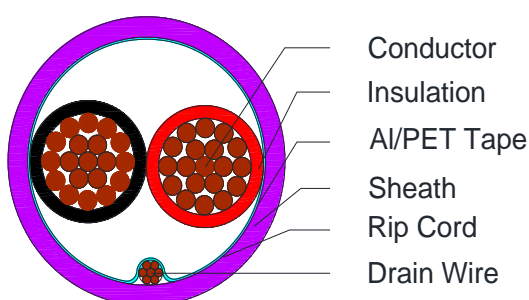


C5578, C5579, C5580, C5581, C5582, C5583, C5584, C5585, C5586, C5587, C5588, C5619

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, 16AWG 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 Core 9: Purple Core 10: Grey Core 11: Pink Core 12: Tan For cores more than 12, Black with White serial numbers
Drain Wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip Cord	Nylon Yarn
Sheath Material	Flame-Retardant Halogen Free (HFFR/LSZH) Standard colour: Purple
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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Physical Characteristics

Part Number	C5578	C5579	C5580	C5581	C5582	C5583	C5584	C5585	C5586	C5587	C5588	C5619
No of cores x 16AWG (19 x 29)	2	3	4	5	6	7	8	9	10	12	18	20
Nom. Diameter Conductor (mm)	1.4											
Nom. Radial Thickness Insulation (mm)	0.60											
Nom. Radial Thickness Sheath(mm)	0.65											
Nom. Overall Diameter (mm)	6.1	7.0	7.6	8.4	8.9	9.2	9.9	11.0	11.3	12.2	14.4	15.1
Operating Temperature (°C)	-25 / +75											
Max. Recommended Pulling Tension (N)	280	410	540	800	1060	1236	1413	1590	1700	2040	3060	3400
Min. Bend Radius (install) (mm)	61	70	76	84	89	92	99	110	113	122	144	151
Nominal Cable Weight (kg/km)	49.0	67.7	85.7	103.9	121.4	138.3	156.6	175.6	192.4	227.2	330.0	389

Electrical Characteristics

Part Number	C5578	C5579	C5580	C5581	C5582	C5583	C5584	C5585	C5586	C5587	C5588	C5619
No of cores x 16AWG (19 x 29)	2	3	4	5	6	7	8	9	10	12	18	20
Max. DC Resistance Conductor (Ω /km)	15.47											
Max. DC Resistance Screen (Ω /km)	78.5											
Capacitance conductor to conductor (pF/m)	129	116	110	110	110	100	100	100	95	95	95	95
Capacitance conductor to the rest (pF/m)	260	230	220	220	220	200	200	200	190	190	190	190
Nominal Inductance (μ H/m)	0.5											
Max. Recom. Current @ 25°C (Amps)	6.25	6.25	5	4.35	4.35	4.35	4.35	4.35	4.0	4.0	4.0	4.0
Max. Operating Voltage (Vrms)	600/1000											

Reference Standards

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