

Audio Control & Instrumentation Cable

2C to 20C, 18AWG, Overall Screen, UV-resistant HFFR Sheath

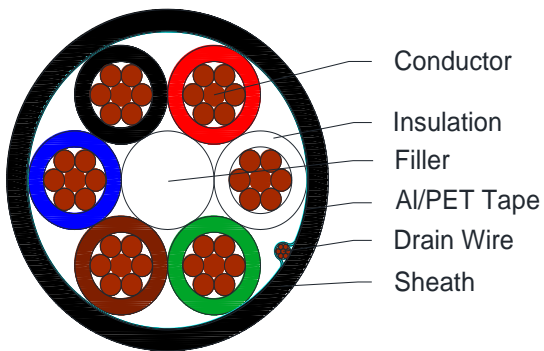


C1351, C1352, C1353, C1354, C1355, C1356, C1357

Applications

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

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Bare Copper wire
Insulation	Polyolefin
Filler	Only for 6cores
Screen	Aluminium/Polyester tape
Drain Wire	Tinned Copper Wire
Sheath Material	UV-resistant Halogen Free (HFFR) Standard colour: black
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.

Audio Control & Instrumentation Cable

2C to 20C, 18AWG, Overall Screen, UV-resistant HFFR Sheath



C1351, C1352, C1353, C1354, C1355, C1356, C1357

Physical Characteristics

Part Number	C1351	C1352	C1353	C1354	C1355	C1356	C1357
No of cores x 18AWG (7 x 26)	2	3	4	6	8	10	20
Nom. Diameter Conductor	1.2						
Nom. Radial Thickness Insulation (mm)	0.25						
Screen Coverage (%)	115						
Drain Wire (AWG)	24(7 x 32)						
Nom. Radial Thickness Sheath (mm)	0.8						
Nom. Overall Diameter (mm)	5.1	5.4	5.8	6.8	7.3	8.4	10.7
Operating Temperature (°C)	-25 / +75						
Max. Recommended Pulling Tension (N)	200	299	399	600	797	996	1993
Min. Bend Radius (install) (mm)	51	54	58	68	73	84	107

Electrical Characteristics

Part Number	C1351	C1352	C1353	C1354	C1355	C1356	C1357
Max. DC Resistance Conductor (Ω/km)	22.7						
Max. DC Resistance Screen (Ω/km)	78.5						
Capacitance conductor to conductor (pF/m)	150	150	150	140	135	135	130
Capacitance conductor to rest (pF/m)	288	282	270	253	240	240	230
Nominal Inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300						

core	1	2	3	4	5	6	7	8	9	10
colour	black	red	white	green	brown	blue	orange	yellow	purple	grey
core	11	12	13	14	15	16	17	18	19	20
colour	pink	black/	red/	green/	blue/	black/	white/	green/	blue/	red/
stripe		white	white	white	white	red	red	red	red	green

Reference Standards

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