

Audio Control & Instrumentation Cable

2C to 20C, 16AWG, Overall Screen, UV-resistant HFFR/LSZH Sheath

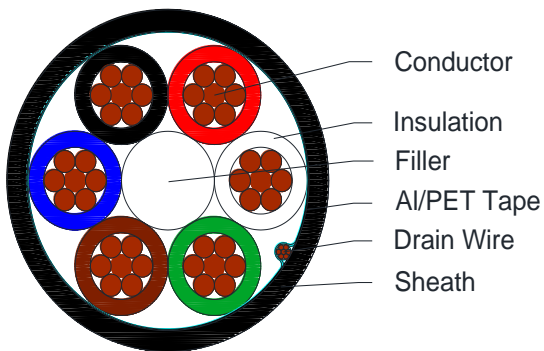


C1391, C1392, C1393, C1394, C1395, C1396, C1397

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
Drain Wire	Tinned Copper Wire
Screen	Aluminium/Polyester tape
Sheath Material	UV-resistant Halogen Free (HFFR/LSZH) 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.

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Physical Characteristics

Part Number	C1391	C1392	C1393	C1394	C1395	C1396	C1397
No of cores x 16AWG (19 x 29)	2	3	4	6	8	10	20
Nom. Diameter Conductor	1.4						
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)	5.5	5.8	6.3	7.4	8.0	9.5	12.1
Operating Temperature (°C)	-25 / +75						
Max. Recommended Pulling Tension (N)	262	391	520	780	1040	1300	2600
Min. Bend Radius (install) (mm)	55	58	63	74	80	95	121

Electrical Characteristics

Part Number	C1391	C1392	C1393	C1394	C1395	C1396	C1397
Max. DC Resistance Conductor (Ω/km)	15.47						
Max. DC Resistance Screen (Ω/km)	78.5						
Capacitance conductor to conductor (pF/m)	170	168	165	150	146	140	140
Capacitance conductor to rest (pF/m)	308	300	300	275	275	270	270
Nominal Inductance (μH/m)	0.5						
Max. Recommended Current at 25°C (Amps)	6.25	6.25	5	4.4	4.4	4.4	4.4
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