

# Audio Control & Instrumentation Cable

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

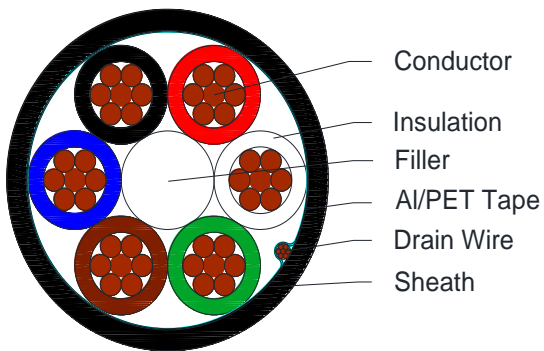


C1391, C1392, C1393, C1394, C1395, C1396, C1397

### 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) 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