

# Audio Control & Instrumentation Cable, 2C to 22C, 14AWG Overall Screen, HFFR/LSZH Sheath

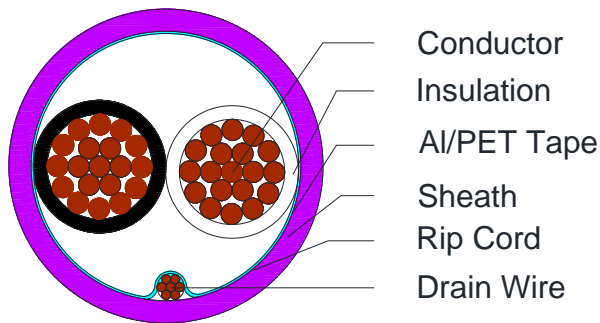


C1701, C1703, C1705, C1707, C1709, C5176, C5177, C5178

## 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, 14AWG flexible
Insulation	HFFR/LSZH Core 1: Black Core 2: White Core 3: Red 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.

**Audio Control & Instrumentation Cable,  
2C to 22C, 14AWG Overall Screen,  
HFFR/LSZH Sheath**



**C1701, C1703, C1705, C1707, C1709, C5176, C5177, C5178**

**Physical Characteristics**

Part Number	C1701	C1703	C1705	C1707	C1709	C5176	C5177	C5178
No of cores x 14AWG (19 x 27)	2	3	4	6	8	12	16	22
Nom. Diameter Conductor (mm)	1.8							
Nom. Radial Thickness Insulation (mm)	0.3							
Nom. Radial Thickness Sheath(mm)	0.65	0.65	0.65	0.65	0.65	0.7	0.8	0.9
Nom. Overall Diameter (mm)	6.2	6.6	7.2	8.6	9.3	11.5	13.0	15.6
Operating Temperature (°C)	-25 / +75							
Max. Recommended Pulling Tension (N)	420	635	845	1265	1685	2527	3373	4638
Min. Bend Radius (install) (mm)	62	66	72	86	93	115	130	156
Nominal Cable Weight (kg/km)	63.7	88.5	110.7	152.6	158.1	204.8	381.4	522.1

**Electrical Characteristics**

Part Number	C1701	C1703	C1705	C1707	C1709	C5176	C5177	C5178
No of cores x 14AWG (19 x 27)	2	3	4	6	8	12	16	22
Max. DC Resistance Conductor (Ω/km)	9.36							
Max. DC Resistance Screen (Ω/km)	78.5							
Capacitance conductor to conductor (pF/m)	190	185	183	178	173	170	165	160
Capacitance core to rest (pF/m)	340	350	330	320	315	300	300	300
Nominal Inductance (μH/m)	0.5							
Max. Recom. Current @ 25°C (Amps)	8	8	6.4	5.6	5.6	4.0	4.0	3.5
Max. Operating Voltage (Vrms)	300							

**Reference Standards**

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