

Audio Control & Instrumentation Cable, High Conductivity Speaker Cable 22 to 10 AWG, Unscreened, PVC Sheath

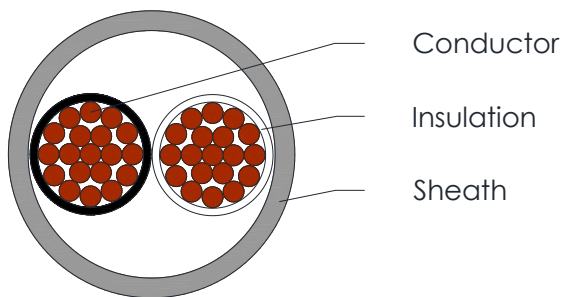


C1302, C1222, C1198, C1203, C1300, C1301, C4545

Applications

One pair cable Suitable for Audio, Control and Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire, one twisted pair
Insulation	Polyvinyl Chloride (PVC) Core 1: Black Core 2: White
Sheath Material	Flame Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
Standard Put Up Length	305 or 500 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,
High Conductivity Speaker Cable
22 to 10 AWG, Unscreened, PVC Sheath**



C1302, C1222, C1198, C1203, C1300, C1301, C4545

Physical Characteristics

Part Number	C4545	C1302	C1222	C1198	C1203	C1300	C1301
Number of pairs	1						
Conductor size	10	12	14	16	18	20	22
Conductor stranding (AWG)	65x28	19x25	19x27	19x29	7x26	7x28	7x30
Nom. Radial Thickness Insulation (mm)	0.80	0.8	0.8	0.8	0.5	0.4	0.4
Nom. Radial Thickness Sheath (mm)	0.9	0.9	0.9	0.8	0.7	0.6	0.6
Nom. Overall Diameter(mm)	10.8	9.7	8.7	7.65	5.75	4.7	4.3
Operating Temperature (°C)	-25 / +75						
Max. Recommended Pulling Tension (N)	820	665	420	270	200	110	80
Min. Bend Radius (install) (mm)	108	97	87	77	58	47	43
Nominal Cable Weight (kg/km)	155	115	85	60	38	23	19.5

Electrical Characteristics

Part Number	C4545	C1302	C1222	C1198	C1203	C1300	C1301
AWG size conductor	10	12	14	16	18	20	22
Max. DC Resistance Conductor (Ω /km)	3.90	5.61	9.36	15.47	22.7	35.75	57.4
Capacitance conductor to conductor (pF/m)	68	68	62	57	60	60	55
Nominal Inductance (μ H/m)	0.6						
Max. Recommended Current at 25°C (Amps)	18	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage (Vrms)	600	600	600	300	300	300	300

Reference Standards

(BS) EN 50290-2
IEC 60228
IEC 60332-1
RoHS directives