

High Conductivity Speaker Cable

22 to 12 AWG, Unscreened, Plenum Grade PVC Sheath

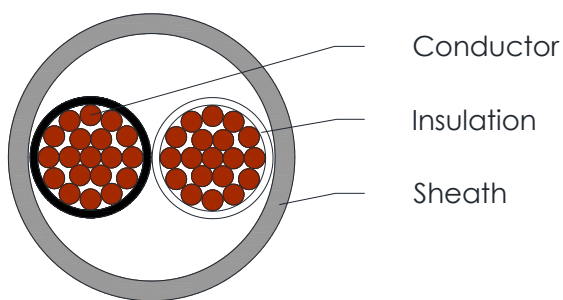


C8302, C8222, C8198, C8203, C8300, C8301

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	Plenum Grade 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.

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Physical Characteristics

Part Number	C8302	C8222	C8198	C8203	C8300	C8301
Number of pairs	1					
Conductor size	12	14	16	18	20	22
Conductor stranding (AWG)	19x25	19x27	19x29	7x26	7x28	7x30
Nom. Radial Thickness Insulation (mm)	0.8	0.8	0.8	0.5	0.4	0.4
Nom. Radial Thickness Sheath (mm)	0.6	0.6	0.6	0.6	0.6	0.6
Nom. Overall Diameter(mm)	9.1	8.1	7.25	5.55	4.7	4.3
Operating Temperature (°C)	-25 / +60					
Max. Recommended Pulling Tension (N)	665	420	270	200	110	80
Min. Bend Radius (install) (mm)	91	81	73	56	47	43
Nominal Cable Weight (kg/km)	115	85	60	38	23	19.5

Electrical Characteristics

Part Number	C8302	C8222	C8198	C8203	C8300	C8301
AWG size conductor	12	14	16	18	20	22
Max. DC Resistance Conductor (Ω /km)	5.61	9.36	15.47	22.7	35.75	57.4
Capacitance conductor to conductor (pF/m)	68	62	57	60	60	55
Nominal Inductance (μ H/m)	0.6					
Max. Recommended Current at 25°C (Amps)	13	9.5	7.1	5.2	3.9	2.9
Max. Operating Voltage (Vrms)	600	600	300	300	300	300

Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives