

Audio Control & Instrumentation Cable, 22AWG, 2 to 16C, Overall Screened & PVC Sheath

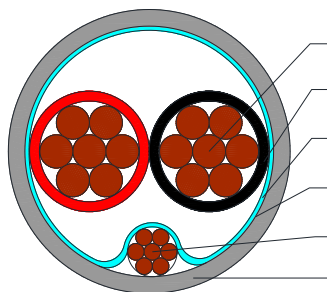


C91226, C91228, C91230, C91264, C91232, C94456, C94562, C94563,
C94662

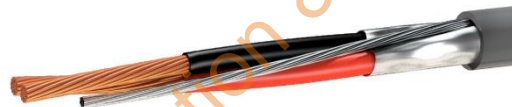
Applications

Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS).

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Rip Cord
Drain Wire
Sheath



Design

Unit	Properties
Conductor	N x Bare Copper wire, 22AWG flexible
Insulation	Polyolefin Core 1: Black Core 2: Red Core 3: White 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 Black Color with white number identification for cores more than 12
Cabling	Cores cabled/twisted together
Drain wire	24 AWG (7 x 32)
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath Material	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Grey
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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C94662**

Physical Characteristics

Part Number	C91226	C91228	C91230	C91264	C91232	C94562	C94563	C94662	C94456
No of cores x 22AWG (7 x 30)	2	3	4	6	8	9	10	12	16
Nom. Diameter Conductor (mm)	0.71								
Nom. Radial Thickness Insulation (mm)	0.20								
Nom. Radial Thickness Sheath (mm)	0.4							0.6	
Nom. Overall Diameter (mm)	3.3	3.5	3.8	4.5	4.9	5.1	5.5	6.0	7.0
Operating Temperature (°C)	-25 / +75								
Max. Recommended Pulling Tension (N)	80	121	187	243	324	365	405	486	648
Min. Bend Radius (install) (mm)	33	35	38	45	49	51	55	60	70
Nominal Cable Weight (kg/km)	15.7	20	25.3	34.3	42.6	46.5	50.9	66.3	83.3

Electrical Characteristics

Part Number	C91226	C91228	C91230	C91264	C91232	C94562	C94563	C94662	C94456
No of cores x 22AWG (7 x 30)	2	3	4	6	8	9	10	12	16
Max. DC Resistance Conductor (Ω /km)	63.1								
Max. DC Resistance Screen (Ω /km)	95								
Capacitance conductor to conductor (pF/m)	78	75	70	64	60	60	60	60	60
Capacitance cond. To other cond.+screen (pF/m)	150	140	132	120	110	110	110	110	110
Nominal Inductance (μ H/m)	0.5								
Max. Recommended Current at 25°C (Amps)	2.8	2.8	2.25	1.95	1.95	1.95	1.95	1.95	1.95
Max. Operating Voltage (Vrms)	300								

Reference Standards

IEC 60228	IEC 60332-1
EN 50290	RoHS directives