

# Audio Control & Instrumentation Cable, 2 to 12C, 22AWG Unscreened & PVC Sheath

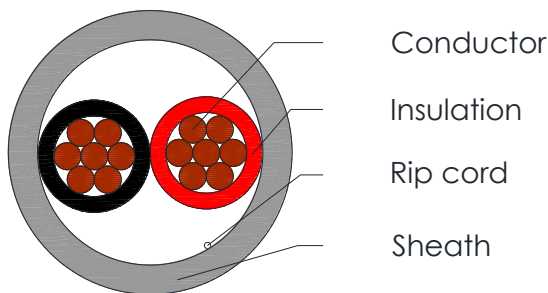


C1227, C1278, C1231, C1265, C1233, C4642

## Applications

Multi-Conductor cable (no overall screen) suitable for Audio, Control, Instrumentation and Building Management Systems (BMS) . UL listed E486876.

## Cross Section Drawing



## 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
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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## Physical Characteristics

Part Number	C1227	C1278	C1231	C1265	C1233	C4642
Number of Cores	2	3	4	6	8	12
Nom. Diameter Conductor (mm)	0.75					
Nom. Radial Thickness of Insulation (mm)	0.20					
Nom. Radial Thickness of Sheath (mm)	0.4					0.5
Nom. Diameter of Sheath (mm)	3.3	3.5	3.8	4.5	4.9	6.0
Operating Temperature (°C)	-25 / +75					
Max. Recommended Pulling Tension (N)	80	121	187	243	324	486
Min. Bend Radius (install) (mm)	33	35	38	45	49	60
Nominal Cable Weight (kg/km)	13.4	18.2	22	32	40.3	57.2

## Electrical Characteristics

Part Number	C1227	C1278	C1231	C1265	C1233	C4642
No of cores x 22AWG (7 x 30)	2	3	4	6	8	12
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4					
Capacitance conductor to conductor (pF/m)	40	35	35	45	45	45
Nominal Inductance	0.5					
Max. Recommended Current at 25°C	2.8	2.8	2.25	1.95	1.95	1.95
Max. Operating Voltage (Vrms)	300					

## Reference Standards

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