

# Audio Control & Instrumentation Cable, 2C to 12C, 18AWG Unscreened & Oil, UV, Chemical Resistant PVC Sheath

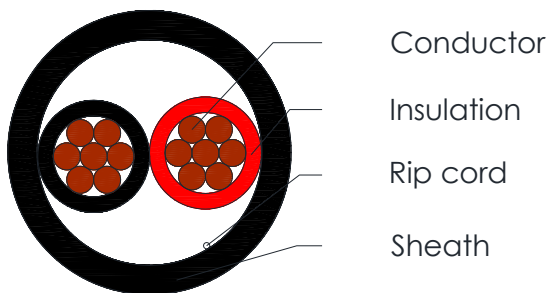


C4253, C4254, C4255, C4256, C4257, C4258, C4259, C4260, C4261

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 18AWG 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	Oil, UV, Chemical Resistant & Flame-Retardant Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Black
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 12C, 18AWG Unscreened & Oil, UV, Chemical  
Resistant PVC Sheath**



**C4253, C4254, C4255, C4256, C4257, C4258, C4259, C4260, C4261**

**Physical Characteristics**

Part Number	C4253	C4254	C4255	C4256	C4257	C4258	C4259	C4260	C4261
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	8	10	12
Nom. Diameter Conductor(mm)	1.2								
Nom. Radial Thickness Insulation(mm)	0.2								
Nom. Radial Thickness Sheath(mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6
Nom. Overall Diameter(mm)	3.9	4.1	4.55	5.2	5.7	5.8	5.9	7.4	8.0
Operating Temperature (°C)	-25 to +75								
Max. Recommended Pulling Tension (N)	200	299	399	500	600	700	797	996	1195
Min. Bend Radius (install)(mm)	40	42	46	55	58	58	60	75	80
Nominal Cable Weight (kg/km)	27.3	36.9	47.2	58	68.2	77.6	87	100	126

**Electrical Characteristics at 20°C**

Part Number	C4253	C4254	C4255	C4256	C4257	C4258	C4259	C4260	C4261
No of cores x 18AWG (7 x 26)	2	3	4	5	6	7	8	10	12
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7								
Capacitance conductor to conductor (pF/m)	52	55	45	50	50	50	50	50	50
Nominal Inductance ( $\mu$ H/m)	0.5								
Max. Recommended Current at 25°C (Amps)	5	5	4	4	3.5	3.5	3.5	3.5	3.5
Max. Operating Voltage (Vrms)	300								

**Reference Standards**

(BS) EN 50290-2
IEC 60228
IEC 60332-1
UL1581
(BS) EN 60811
RoHS directives