

# Audio Control & Instrumentation Cable, 2 to 32C, 18AWG, Overall Screen & PVC Sheath

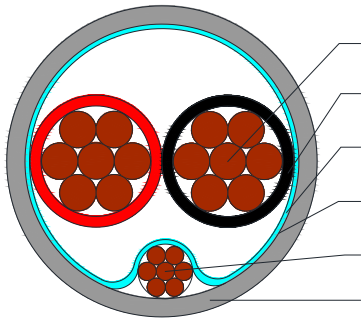


C1013, C1015, C1017, C1144, C1211, C1239, C1258, C1668, C1623, C1624, C4235, C4236, C4237, C4394, C4546

## Applications

Screened Multi-Conductor cable suitable for Audio, Control, Instrumentation and Building Management Systems (BMS). UL listed E486876.(Type CL2X)

## Cross Section Drawing



- Conductor
- Insulation
- Al/PET Tape
- Rip Cord
- Drain Wire
- Sheath



## 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 Black Color with white number identification for cores more than 12
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath	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	C1013	C1015	C1017	C1144	C1211	C1239	C1258	C1668	C1623	C4394	C1624	C4235	C4546	C4236	C4237
No of cores	2	3	4	5	6	7	8	9	10	11	12	16	20	24	32
Conductor Construction (AWG)	18(7 x 26)														
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	0.45	0.5	0.5	0.5	0.6	0.6	0.8	1.0
Nom. Overall Diameter(mm)	4.0	4.2	4.6	5.5	5.75	5.9	6.4	6.7	7.5	7.6	7.8	9.2	10.0	11.7	13.0
Operating Temperature (°C)	-25 to +75														
Max. Recommended Pulling Tension (N)	200	299	399	500	600	620	797	955	999	1095	1200	1600	2000	2400	3200
Min. Bend Radius (install)(mm)	40	42	46	55	58	59	64	67	75	76	78	92	100	117	130
Nominal Cable Weight (kg/km)	29.6	39.2	49.4	60.2	70.9	79	89.5	93.6	104	120	129	171	210	257	336

## Electrical Characteristics at 20°C

Part Number	C1013	C1015	C1017	C1144	C1211	C1239	C1258	C1668	C1623	C4394	C1624	C4235	C4546	C4236	C4237
No of core	2	3	4	5	6	7	8	9	10	11	12	16	20	24	32
Max. DC Resistance Conductor (Ω/km)	22.7														
Max. DC Resistance Screen (Ω/km)	78.5														
Capacitance conductor to conductor (pF/m)	95	90	75	75	75	75	75	75	75	75	75	75	75	75	75
Capacitance cond. To Rest (pF/m)	175	170	160	145	140	140	140	140	140	140	140	140	140	140	140
Nominal Inductance (μH/m)	0.5														
Max. Recommended Current at 25°C (Amps)	5	5	4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.0	3.0	3.0	3.0
Max. Operating Voltage (Vrms)	300														

## Reference Standards

(BS) EN 50290-2	IEC 60332-1-2 & IEC 60332-1-3
IEC 60228	UL listed E486876.(Type CL2X)
RoHS directives	