

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

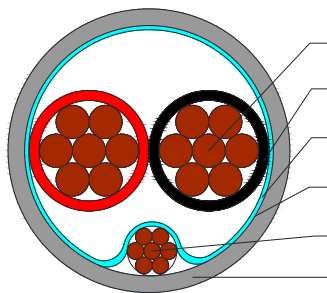


C1226, C1228, C1230, C1264, C1232, C4456, C4562, C4563, C4662

## Applications

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, 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) Tinned Copper
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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## Physical Characteristics

Part Number	C1226	C1228	C1230	C1264	C1232	C4562	C4563	C4662	C4456
No of cores x 22AWG (7 x 30)	2	3	4	6	8	9	10	12	16
Nom. Diameter Conductor (mm)	0.75								
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	C1226	C1228	C1230	C1264	C1232	C4562	C4563	C4662	C4456
No of cores x 22AWG (7 x 30)	2	3	4	6	8	9	10	12	16
Max. DC Resistance Conductor ( $\Omega$ /km)	57.4								
Max. DC Resistance Screen ( $\Omega$ /km)	78.5								
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 ( $\mu$ 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

(BS) EN 50290-2	UL 1581
IEC 60228	UL listed E486876. (Type CL2X)
IEC 60332-1	RoHS directives