

# Audio Control & Instrumentation Cable, 22AWG, 2 to 8C, Overall Screened & LSF Sheath

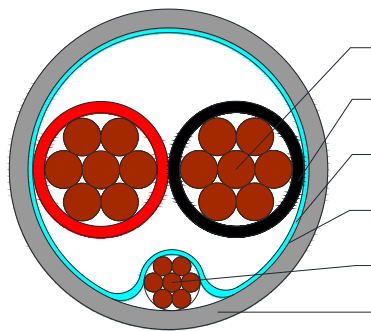


**C4036, C4037, C4038, C4039, C4040**

## 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
Drain wire	24 AWG (7 x 32) Tinned Copper
Screen	Aluminium/Polyester 100% Coverage
Rip cord	Nylon yarn
Sheath Material	LSF 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.

# Audio Control & Instrumentation Cable, 22AWG, 2 to 8C, Overall Screened & LSF Sheath



**C4036, C4037, C4038, C4039, C4040**

## Physical Characteristics

Part Number	C4036	C4037	C4038	C4039	C4040
No of cores x 22AWG (7 x 30)	2	3	4	6	8
Nom. Diameter Conductor (mm)	0.75				
Nom. Radial Thickness Insulation (mm)	0.20				
Nom. Radial Thickness Sheath (mm)	0.4				
Nom. Overall Diameter (mm)	3.3	3.5	3.8	4.5	4.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	80	121	187	243	324
Min. Bend Radius (install) (mm)	33	35	38	45	49
Nominal Cable Weight (kg/km)	15.7	20	25.3	34.3	42.6

## Electrical Characteristics

Part Number	C4036	C4037	C4038	C4039	C4040
No of cores x 22AWG (7 x 30)	2	3	4	6	8
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
Capacitance cond. To other cond.+screen (pF/m)	150	140	132	120	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
Max. Operating Voltage (Vrms)	300				

## Reference Standards

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