

# Audio Control & Instrumentation Cable, 2C to 8C, 16AWG Unscreened, CMP PVC Sheath

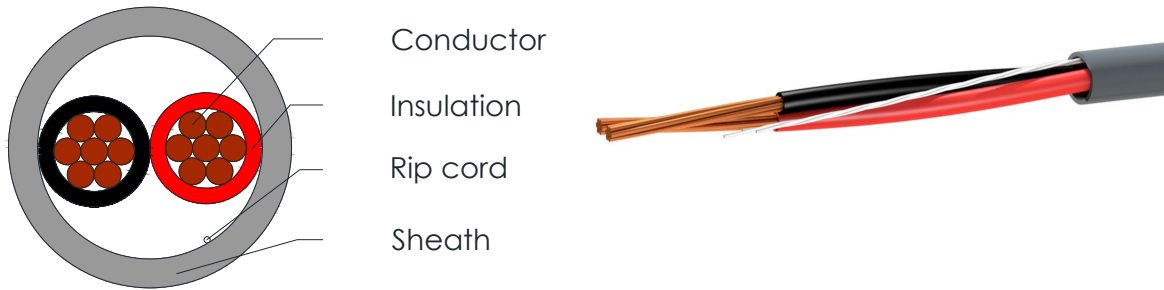


C8712, C8714, C8716, C8718, C8720

## Applications

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

## Cross Section Drawing



## Design

Unit	Properties
Conductor	N x Bare Copper wire, 16AWG flexible
Insulation	Flame-Retardant PVC Core 1: Black Core 2: Red Core 3: White Core 4: Green Core 5: Brown Core 6: Blue Core 7: Orange Core 8: Yellow
Rip Cord	Nylon Yarn
Sheath Material	Plenum Grade Flame-Retardant Polyvinyl Chloride (CMP 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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**C8712, C8714, C8716, C8718, C8720**

## Physical Characteristics

Part Number	C8712	C8714	C8716	C8718	C8720
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Nom. Diameter Conductor (mm)	1.4				
Nom. Radial Thickness Insulation (mm)	0.30				
Nom. Radial Thickness Sheath (mm)	0.70				
Nom. Overall Diameter (mm)	5.4	5.7	6.2	7.3	7.9
Operating Temperature (°C)	0 / +60				
Max. Recommended Pulling Tension (N)	260	390	520	780	1040
Min. Bend Radius (install) (mm)	54	57	62	73	79
Nominal Cable Weight (kg/km)	42	55.5	70.2	98.8	126.4

## Electrical Characteristics

Part Number	C8712	C8714	C8716	C8718	C8720
No of cores x 16AWG (19 x 29)	2	3	4	6	8
Max. DC Resistance Conductor ( $\Omega$ /km)	15.47				
Capacitance conductor to conductor (pF/m)	86	84	80	78	78
Nominal Inductance ( $\mu$ H/m)	0.5				
Max. Recom. Current @ 25°C (Amps)	6.25	6.25	5	4.35	4.35
Max. Operating Voltage (Vrms)	300				

## Reference Standards

(BS) EN 50290-2
IEC 60228
NFC 725.154(A), ANSI/NFPA 262
RoHS directives