

# Audio Control & Instrumentation Cable, 7C, 18 AWG, Shielded, PVC Insulation & Sheath

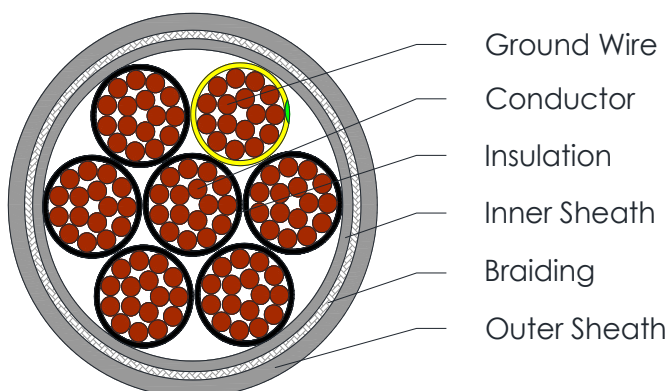


C4847

## Applications

Light to Moderate Flexing Applications Up to 1 Million Flex Life Cycles

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Bare Copper wire
Insulation	Polyvinyl Chloride (PVC) Color: Black and Numbered and YELLOW/Green
Inner Sheath	Oil-resistant Polyvinyl Chloride (PVC) Colour: Grey
Braiding	Tinned copper wire
Sheath Material	Oil-resistant Polyvinyl Chloride (PVC) Standard colour: Grey
Standard Put Up Length	305 or 500 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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**C4847**

## Physical Characteristics

Part Number	C4847
Number of Cores	7
Conductor size	18
Conductor stranding (AWG)	16x30
Nom. Radial Thickness Insulation (mm)	0.56
Nom. Insulation Diameter (mm)	2.30
Nom. Inner Sheath Thickness (mm)	0.76
Nom. Inner Sheath Diameter (mm)	11.30
Braiding Coverage (%)	85
Nom. Radial Thickness Sheath (mm)	1.15
Nom. Overall Diameter(mm)	14.40
Operating Temperature (°C)	-5 / +90
Max. Recommended Pulling Tension (N)	750
Min. Bend Radius (install) (mm)	144
Nominal Cable Weight (kg/km)	630

## Electrical Characteristics

Part Number	C4847
Nom. DC Resistance Conductor ( $\Omega$ /km)	21.66
Nom. DC Resistance Outer shield ( $\Omega$ /km)	5.64
Nom. Capacitance conductor to conductor (pF/m)	144
Nom. Capacitance conductor to rest (pF/m)	259
Nominal Inductance ( $\mu$ H/m)	0.62
Max. Operating Voltage (Vrms)	600

## Reference Standards

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