



SIGNAL CABLE

WITH PRE-WIRED M12 STRAIGHT CONNECTOR

GENERAL SPECIFICATIONS

Operation

• Max. Current (at 40°C [104°F])	4 A
• Max. Voltage	250 V
• Nominal Capacitance	
Conductor to Conductor	≤ 80 pF/m
Conductor to Shield	≤ 135 pF/m
• Insulation Resistance (at 20°C [68°F])	> 100 GΩ · km
• Conductor Resistance (Max., at 20°C [68°F])	58 Ω/km
• Connector Type	M12 x 1 Female, Straight, Shielded (One End Only)
• Number of Conductors	4
• Wire Colors	Brown, White, Blue, Black
• Overall Twist	4 Twisted Wires

Environment

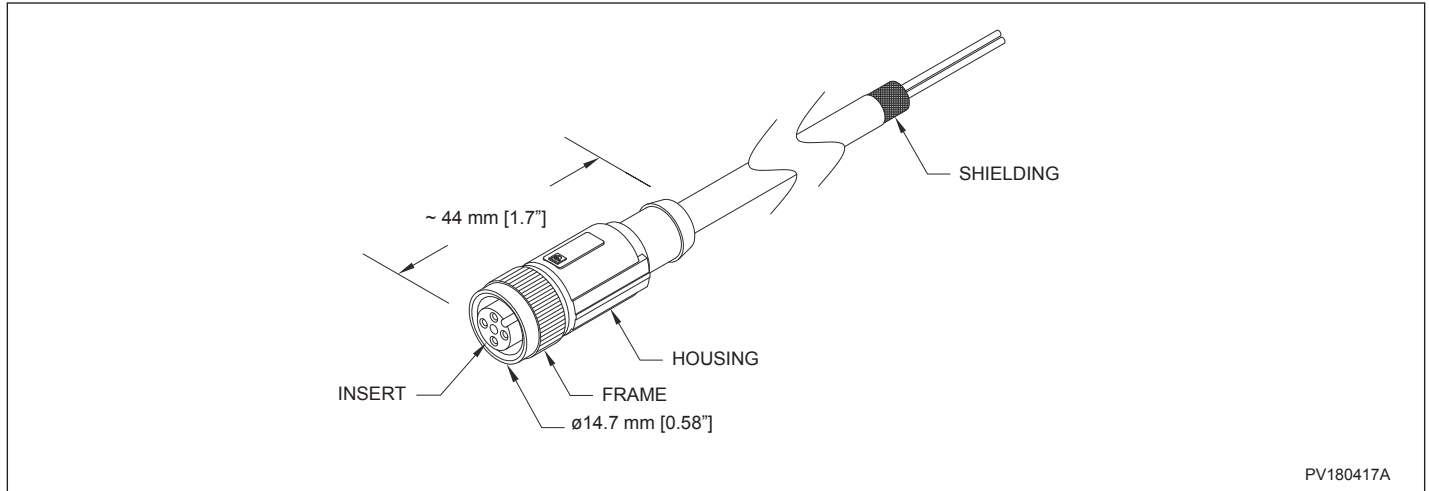
• Temperature Range	
Operating and Storage	-25 to 80 °C [-13 to 176 °F]
• Protection Rating	IP65, IP67
• Flame Resistance	In Accordance With UL FT-2
• Halogen-Free	In Accordance With DIN VDE 0472 Part 815 & DIN EN 50267-2-1
• Resistance to Oil	In Accordance With DIN EN 60811-2-1

Physical Characteristics

• Cable Length	60 m [197 ft]
• Optical Shield Covering	85%
• Shielding	Tinned Copper Braided Shield
• Minimum Bending Radius	29.5 mm [1.16 in]
• External Cable Diameter	5.9 mm ± 0.2 mm [232 ± 8 mils]
• Outer Jacket Material	Polyurethane (PUR)
• Conductors	
Cross Section	4 x 0.34 mm ² [AWG 22]
Insulation	Polypropylene (PP)
Material	Copper, Multi-Strand
• M12 Connector	
Contact Surface Material	Ni/Au
Housing Material	Thermoplastic Polyurethane (TPU)
Frame Material	Zinc Die-Cast, Nickel Plated
Insert Material	Thermoplastic Polyurethane (TPU)



DIMENSIONS



PRODUCT IDENTIFICATION

Product Number	Description
VSM-CBL-M12SC4-60	Cable / M12 straight connector - 4 wires (60 m/ 197 ft)