

1x3x10 AWG Shielded Instrumentation Cable

BC/CL2/PVC/OFS/300V/105C/PLTC

INSTRUMENTATION & SIGNAL

P/N 8N06001101

INDUSTRY

Applications

Process control industry, Hazardous areas, Harsh environments, Direct burial, Class 1 Division 2, Indoor & Outdoor Use, Fixed or Portable Installation



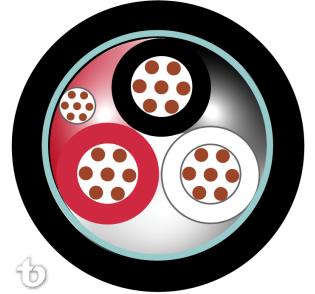
Outer Jacket Material
UV resistant FR-PVC



Outer diameter
11.10 mm nom.



Weight
261 kg/km



General Construction

3 wires are cabled together, overall foil shielded and jacketed.
The cable is resistant to aliphatic hydrocarbons.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	10
Conductor Construction	7x1.04 mm
Insulation Material	PVC
Insulation O.D. (mm nom)	4.05
Conductor Color Code	Black, White, Red
Overall Shield Design	100% Coverage
Overall Shield Material	Aluminum/Polyester Foil
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-Wire Size (AWG)	16
Overall Drain-wire Construction	Stranded
Total Number Of Conductors	3
Rip-Cord	Yes
Outer Jacket Thickness (mm nom)	1.15
Outer Jacket Color	Black
Marking	Per request

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Performance

Max. DC Resistance ($\Omega/\text{km}@20^{\circ}\text{C}$)	6.4
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Min. Insulation Resistance ($\text{M}\Omega\cdot\text{km}$)	200
Voltage Rating (V)	300
Min. Bend Radius (mm)	Dx6
Min. Operating Temperature ($^{\circ}\text{C}$)	-40
Max. Operating Temperature ($^{\circ}\text{C}$)	+105
UV Resistance	Yes
Oil Resistance	Yes

Standards

Flammability Rating
IEC 60332-1
IEC 60332-3
IEEE 383

Applicable Standards
UL 2250 Instrumentation Tray
Cable (ITC) - UL Certified
UL 13 Power Limited Circuit/Tray
Cable (PLTC, CL2, CL3) - UL
Certified
UL PLTC
UL PLTC-ER
RoHS 3 2015/863/EU



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