

INDUSTRY

4x10 AWG 600V Overall Shielded Instrumentation Cable
Instrumentation & Signal
P/N 8B0P104109

Applications

Process control industry, Class 1 Division 2, Indoor & Outdoor Use, Fixed or Portable Installation



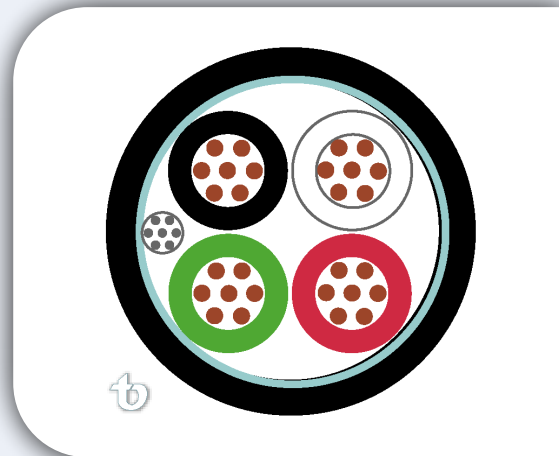
Outer Jacket Material
UV resistant FR-PVC



Outer diameter
17.0 mm nom.



Weight
440 kg/km



General Construction

4 wires are cabled together, overall polyester/aluminum tape shielded and jacketed.

Design & Materials

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	10
Conductor Size (mm)	7x1.02
Conductor Construction	Stranded
Insulation Material	FR-PVC -55°C to 105°C rating
Insulation Thickness	1.15
Insulation O.D. (mm nom)	5.35
Conductor Color Code	Black, White, Red, Green
Overall Drain-wire Material	Annealed Tinned Copper
Overall Drain-wire size (AWG)	12
Overall Drain-wire Construction	Stranded
Total Number Of Conductors	4
Rip-Cord	Yes
Outer Jacket Thickness (mm nom)	1.5
Outer Jacket Color	Gray
Marking	Per request

Electrical Properties

Ampacity: 45A

Performance

Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Max. DC Resistance (Ω /km@20°C)	3.60
Max. Operating Temperature (°C)	+90
Min. Bend Radius (mm)	100
Min. Insulation Resistance (M Ω ·km)	200
UV Resistance	Yes
Voltage Rating (V)	600
Min. Operating Temperature (°C)	-30

Standards

Flammability Rating

IEC 60332-3

IEEE 383

Applicable Standards

ICEA S-73-532

IEC 60502-1

UL 1277 Power and Control Tray

Cables (TC) - UL Certified

UL 2250 Instrumentation Tray Cable

(ITC) - UL Certified

RoHS 3 2015/863/EU

