

12x14 AWG XLPE 600V Overall Shielded Instrumentation Cable

BC/XLPE/OFS/PVC/600V/90C

INSTRUMENTATION & SIGNAL

P/N 8AIPS12101

INDUSTRY

Applications

Control, Process control industry, Indoor, Outdoor, Class 1 Division 2



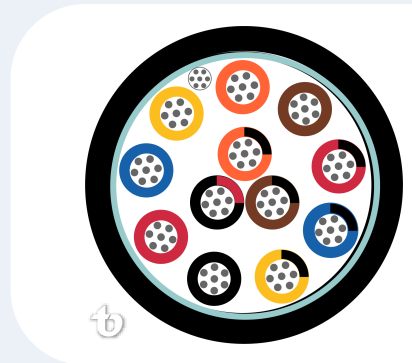
Outer Jacket Material
UV resistant FR-PVC



Outer diameter
17.8 mm nom.



Weight
443 kg/km



General Construction

12 wires are cabled together, overall foil shielded and jacketed.

Design & Materials

Detailed Construction

Conductor Material	Annealed Bare Copper
Conductor Size (AWG)	14
Conductor Construction	19x0.36 mm
Insulation Material	XLPE
Insulation O.D. (mm nom)	3.4
Conductor Color Code	Black, Red, Blue, Orange, Yellow, Brown, Red/Black, Blue/Black, Orange/Black, Yellow/Black, Brown/Black, Black/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	12
Rip-Cord	Yes
Outer Jacket Thickness (mm nom)	1.6
Outer Jacket Color	Black
Marking	Per request

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Performance

Max. DC Resistance ($\Omega/\text{km}@20^{\circ}\text{C}$)	10.1
Dielectric Strength (V/minute)	2000
Dielectric Strength to Shield (V/minute)	1000
Voltage Rating (V)	600
Min. Bend Radius (mm)	Dx6
Min. Operating Temperature ($^{\circ}\text{C}$)	-40
Max. Operating Temperature ($^{\circ}\text{C}$)	+90
UV Resistance	Yes

Standards

Flammability Rating
IEC 60332-1
UL 1581 VW-1

Applicable Standards
RoHS 3 2015/863/EU



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