

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 (Ω /km@20°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 (°C) | -40 |
| Max. Operating Temperature (°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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