

16x1.5 mm² 600V Overall Shielded Instrumentation Cable INSTRUMENTATION & SIGNAL P/N 8A3P016101

INDUSTRY

Applications

Process control industry, Hazardous areas, Short-range low-frequency signals, Class 1 Division 2



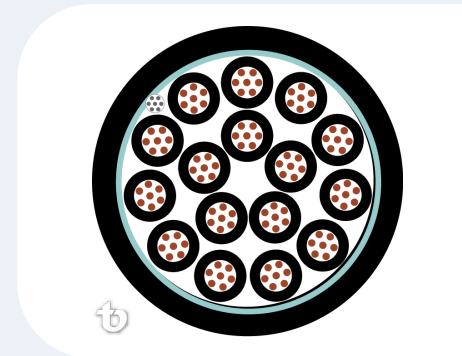
Outer Jacket Material
FR-PVC ST2 per IEC 60502



Outer diameter
17.5 mm nom.



Weight
430 kg/km



General Construction

16 single wires are cabled together with a drain-wire, overall foil shielded and jacketed.

Design & Materials

| | |
|--|--------------------------|
| Conductor Material | Annealed Bare Copper |
| Conductor Construction | 7x0.53 mm |
| Insulation Material | XLPE |
| Insulation Thickness (mm) | 0.75 |
| Insulation O.D. (mm nom) | 3.1 |
| Conductor Color Code | Black, numbered |
| 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 | 16 |
| Outer Diameter (mm nom) | 17.5 |
| Outer Jacket Thickness (mm nom) | 1.3 |
| Outer Jacket Color | Black |
| Marking | Per request |
| Outer Jacket Material | FR-PVC ST2 per IEC 60502 |
| Conductor Cross Section (mm ²) | 1.5 |

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Performance

| | |
|--|------|
| Max. DC Resistance (Ω /km@20°C) | 12.1 |
| 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
 UL 1277 Power and Control Tray
 Cables (TC) - UL Certified
 RoHS 3 2015/863/EU



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