

RoHS
Compliant



Application

This AS-I fieldbus multicore cable facilitates simultaneous data and energy transmission. Application in signalling circuits, in production facilities and machine tools. Sheathed with a flame retardant Low Smoke Zero Halogen.

Characteristics

| | |
|------------------------|---|
| Voltage Rating | : 300V |
| Test Voltage | : 2kV |
| Temperature Rating | : Fixed: -40°C to +105°C Flexed: -30°C to +105°C |
| Minimum Bending Radius | : Fixed: 12 × overall diameter Flexed: 24 × overall diameter |

Cable Standards

DIN EN 60228, VDE 0295, IEC 60228, IEC 60811-2-1, IEC 60707



UK Laboratory Tested

This product is subject to the Quality Assurance protocols of The Cable Lab®, a UKAS accredited ISO 17025 cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



Regulatory Compliance

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



Construction

Conductor

Class 6 stranded tinned copper wires

Insulation

TPE (Thermoplastic Elastomer)

Sheath

TPE (Thermoplastic Elastomer)

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

Core Identification

Blue and Brown

Sheath Colour

Yellow and Black

Dimensions

| Part Number | No. of Cores | Nominal Cross Sectional Area mm ² | Nominal Overall Diameter mm |
|-------------|--------------|--|-----------------------------|
| PP001549 | 2 | 1.5 | 2.5 |
| PP001550 | | | |

Electrical Characteristics at 20°C

| Max. Conductor Resistance mΩ/m | Capacitance at 167kHz pF/m | Inductance at 167kHz nH/m | Impedance at 167kHz Ω |
|--------------------------------|----------------------------|---------------------------|-----------------------|
| 13.7 | 35 to 45 | 520 to 700 | 70 to 140 |

Part Number Table

| Description | Nominal Cross Sectional Area mm ² | Sheath Colour | Reel Length | Part Number |
|-----------------------------------|--|---------------|-------------|-------------|
| Flexible AS-I BUS Multicore Cable | 1.5 | Yellow | 100m | PP001549 |
| | | Black | | PP001550 |

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