Flexible AS-I BUS Multicore Cable

pro-POWER

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.

UKAS TESTING 8578

bsi. ISO 9001 Quality Management | ISO 14001 Environmental Management | ISO 17025 UKAS Accredited Cable Testing Laboratory | OHSAS 18001 Occupational Health and Safety Management

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267 CE

Construction

Conductor

Class 6 stranded tinned copper wires

Insulation

TPE (Thermoplastic Elastomer)

Sheath

TPE (Thermoplastic Elastomer)

Flexible AS-I BUS Multicore Cable

Core Identification
Blue and Brown
Sheath Colour
Yellow and Black

Dimensions

Part Number	No. of Cores	Nominal Cross Sectional Area mm²	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 mm²	Sheath Colour	Reel Length	Part Number
Flexible AS-I BUS Multicore Cable	1.5	Yellow	100m	PP001549
		Black		PP001550