



These cables are designed for use in Actuator Sensor Interface (ASI) applications. ASI is a networking solution for connecting simple on/off devices. The contact is made by special technology piercing through the outer jacket and core insulation.

yellow = data transmission  
 black = 24/30 V DC power transmission  
 red = 230 V AC power transmission

### Construction

2x superfine stranded tinned copper conductors  
 core insulation material varies  
 two cores laid up parallel  
 specially grooved and angled flat outer sheath,  
 material & colour varies

### Technical

conductor stranding:	according to class 6 (VDE 0295 / IEC 60228 / BS EN 60228:2005)
conductor resistance:	1.5mm <sup>2</sup> = 13.7 ohm/km maximum, 2.5mm <sup>2</sup> = 8.21 ohm/km maximum
temperature range	PVC = -30°C to +90°C operating, -20°C to +90°C during installation all others = -40°C to +85°C operating, -30°C to +85°C during installation
core identification:	coloured blue & brown

Sheath Type	Core Area's	Sheath Colours	Properties
TPE (thermoplastic elastomer) for standard applications	1.5mm <sup>2</sup>	yellow red black	Flexible material with many of the properties of rubber, including excellent weather resistance. This is the most common type available in the UK.
EPDM (halogen free rubber) for increased fire safety	1.5mm <sup>2</sup> 2.5mm <sup>2</sup>	yellow black	Tough, flexible compound with excellent resistance to ozone and UV plus good resistance to oil, water and abrasion. Releases max. 0.5% HCL emissions if burnt.
UL/CSA approved PVC (polyvinylchloride)	1.5mm <sup>2</sup>	yellow red black	Fairly tough & flexible material resistant to a wide range of oils and chemicals with approvals for use in the United States of America and Canada.
PUR (polyurethane)	1.5mm <sup>2</sup>	yellow red black	Tough, flexible & halogen free material, max. 0.5% HCL emissions if burnt.  Marine grade may be available.

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