

BASI SERIES

High Performance ASI E.L.V BUS Cable



APPLICATIONS:

Actuator Sensor Interface This cable is designed for connecting simple field I/O devices such as actuators, sensors, rotary encoders, push buttons, analogue inputs and outputs and valve position sensors.

Industrial Applications Suitable for industrial use on conveyor controls, packaging machines, process control valves, bottling plants, electrical distribution systems, airport carousels, elevators and food production lines.

PRODUCT FEATURES:

- ▶ Special oil resistant sheath materials
- ▶ Quick easy installation with BASI modules (sheath piercing)
- ▶ Tear, notch, pressure and wear resistance PUR sheath (BASIP series)
- ▶ UV stabilised
- ▶ Flame retardant
- ▶ Good elongation at break (BASIP series)
- ▶ Good dielectric properties (BASIP series)
- ▶ Heat, oil and chemical resistant (See Technical Section)

CONSTRUCTION:

Conductor Annealed tinned copper stranded high flexibility (Class 5).

Insulation Special rubber, polyolefin or TPE.

Sheath EPDM, PUR or TPE.

CHARACTERISTICS:

Operating Temperature Range -40°C to 85°C.

Maximum Conductor Temperature 85°C.

Nominal Voltage 300V.

Minimum Bending Radius 30mm.

Sheath Colour Yellow or Black.

Standard Core Colours Blue, Brown.

Relevant Standards Profibus acc. To DIN 19245 T3 and EN50170, UL Style 2571, **RoHS** Compliant.

Electrical Data

Conductor Resistance 27.4 Ω/km (Loop)

Insulation Resistance 1.0 GΩ x km min

Test Voltage 1.5kV

Code	No. of Cores x Size (mm ²)	Nearest AWG	Approx. Weight (Kg/Km)	Insulation Material	Outer Sheath Material	Nominal Voltage
BASIE02/1.5Y	2 x 1.5	15	70	SER Rubber	Yellow EPDM	32
BASIE02/1.5B	2 x 1.5	15	70	SER Rubber	Black EPDM	42
BASIP02/1.5Y	2 x 1.5	15	70	Polyolefin	Yellow PUR	32
BASIP02/1.5B	2 x 1.5	15	70	Polyolefin	Black PUR	42
BASIUL02/1.5Y	2 x 1.5	15	70	TPE	TPE	32
BASIUL02/1.5B	2 x 1.5	15	70	TPE	TPE	42