

# Profibus PA Cable

Eland Product Group **A3P**



## Application

For the cabling of industrial field bus systems particularly developed for process automation and instrumentation application in hazardous and intrinsically safe areas.

## Technical Data

### Conductor

Class 1 solid plain copper

### Insulation

PE (Polyethylene)

### Filler

Polyester tape over stranded bundle

### Screen 1

PETP/AL (Polyethylene Terephthalate / Aluminium) foil overlapped

### Screen 2

TCWB (Tinned Copper Wire Braid)

### Separator

PES (Polyethersulfone) fleece overlapped

### Sheath

PVC (Polyvinyl Chloride)

### Sheath Colour

Blue or Black

### Voltage Rating

300V

### Temperature Rating

Fixed: -20°C to +70°C

### Minimum Bending Radius

Fixed: 9 x overall diameter

### Pair Identification

Red/Green

## Dimensions

Eland Part Number	No. of Pairs at 1.0mm (18 AWG)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A3P0102100PA*	1	2.55	7.70	76

\*Designates the sheath colour. For Black substitute \* for BK and for Blue substitute \* for BL

## Performance Characteristics

Conductor Resistance at 20°C ohms/m	Insulation Resistance at 20°C Gohms x Km	Mutual Capacitance pF/m	Impedance ohms	Attenuation at 39kHz dB/Km
22	1	55	100	≤3.00