

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.



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