

Profinet Type A Cable

Eland Product Group **A3P**



Application

For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol. For use in applications such as automation technology, transport and conveyor technology and machine tool manufacturing. For hard wiring or for moving use without compulsory guide. Cable properties include a high active and passive interference resistance. They are free from paint wetting disruptive substances (LABS-free).

Standards

IEC 60754-1

Technical Data

Conductor

Class 1 solid plain copper

Insulation

Polyolefin

Bedding

Unspecified material

Screen 1

PETP/AL (Polyethylene Terephthalate / Aluminium)

Screen 2

TCWB (Tinned Copper Wire Braid)

Sheath

HFFR (Halogen Free and Flame Retardant)

Sheath Colour

Green

Voltage Rating

30V

Temperature Rating

Fixed: -20°C to +70°C

Minimum Bending Radius

Fixed: 7.5 x overall diameter
Flexing: 15 x overall diameter

Pair Identification

White/Blue + Yellow/Orange

Dimensions

Eland Part Number	No. of Pairs at 1.0mm (22 AWG)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
A3P0202022ALSZH	2	0.35	6.60	75

Performance Characteristics

Conductor Resistance at 20°C ohms/m	Insulation Resistance at 20°C Mohms/Km	Operating Capacitance pF/m	Impedance ohms	Attenuation at 1MHz dB/Km
55	500	<50	100	≤2.04

The information contained within this datasheet is for guidance only. When selecting accessories such as cleats, glands, etc please note that actual cable dimensions may vary due to manufacturing tolerances.