

# NSHXAFÖ 1.8/3kV Rubber Cable



Eland Product Group: **A5N**

## APPLICATION

Highly flexible power cables recommended to be used, on board of trains, underground coaches, trams. The cables insulation and sheathing materials are low smoke zero halogen and are suitable for installations where fire, smoke emission and toxic fumes create a potential hazard. The cable is also flame retardant and oil resistant.

## CONSTRUCTION

### Conductor

Class 5 flexible tinned copper conductor

### Insulation

Rubber Type 3GI3, EPR base

### Sheath

Rubber Type HM3, non toxic

## CABLE STANDARDS

VDE 0250 Part 606



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

## CHARACTERISTICS

### Voltage Rating (U<sub>o</sub>/U)

1.8/3kV

### Test Voltage

6kV

### Temperature Rating

Fixed: -35°C to +90°C

Flexed: -15°C to +90°C

### Minimum Bending Radius

Fixed: 4 x overall diameter

Flexed: 5 x overall diameter

### Short Circuit Temperature

+250°C

### Sheath Colour

● Black

### Note

Also available with voltage rating 3.6/6kV (U<sub>o</sub>/U)

## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR DIAMETER mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5NS10015	1	1.5	1.5	5.6	6.5	50
A5NS10025	1	2.5	1.9	6	7	70
A5NS10040	1	4	2.4	6.5	7.5	80
A5NS10060	1	6	3	7.1	8	100
A5NS1010	1	10	3.9	8.3	9	160
A5NS1016	1	16	4.9	9.3	11.5	220
A5NS1025	1	25	6	11.4	14	330
A5NS1035	1	35	7.2	12.6	15.5	440
A5NS1050	1	50	8.6	14.2	17.5	580
A5NS1070	1	70	10.3	15.9	19.5	780
A5NS1095	1	95	12.5	18.5	22.5	1100
A5NS1120	1	120	14.2	20.3	25	1300
A5NS1150	1	150	15.8	22.3	27.5	1600
A5NS1185	1	185	17.5	24.2	30.5	1900
A5NS1240	1	240	20.1	27.1	33.5	2500
A5NS1300	1	300	22.9	30.2	37.5	3200

## ELECTRICAL CHARACTERISTICS

### Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY
	In Air Amps
1.5	30
2.5	41
4	55
6	70
10	98
16	132
25	176
35	218
50	276
70	347
95	416
120	488
150	566
185	644
240	775
300	898