

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.

CHARACTERISTICS

Voltage Rating U₀/U
1.8/3kV

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

CONSTRUCTION

Conductor
Class 5 flexible tinned copper conductor

Insulation
LSZH Rubber (Low Smoke Zero Halogen)

Sheath
LSZH Rubber (Low Smoke Zero Halogen)

Sheath Colour
● Black

Note
Also available with voltage rating 3.6/6kV

STANDARDS

VDE 0250 part 606

Flame Retardant according to BS EN/IEC 60332-1-2

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

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

ELECTRICAL CHARACTERISTICS

Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY Amps
	In Air
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

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.