

# NSHXAFÖ 1.8/3kV Rubber Cable



## 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** U<sub>o</sub>/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 Low Voltage Directive 2014/35/EU and 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 <sup>2</sup>	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
A5NS1060	1	60	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
A5NS1160	1	160	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 <sup>2</sup>	CURRENT CARRYING CAPACITY Amps
	In Air
1.5	30
2.5	41
4	55
6	70
10	98
16	132
25	176
35	218
60	276
70	347
95	416
120	488
160	566
185	644
240	775
300	898

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