



NSHXAFÖ 3.6/6kV Rubber Cable



Eland Product Group: A5NS

APPLICATION

Highly flexible power cables recommended to be used, on board of trains, underground coaches and 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. This cable is also flame retardant and oil resistant.

CHARACTERISTICS

Voltage Rating U₀/U
3.6/6kV

Temperature Rating

Operating temperature: -25°C to +90 °C
Fixed Installation: -40°C to +90°C

CONSTRUCTION

Conductor

Class 5 flexible stranded tinned copper conductor

Insulation

EPR (Ethylene Propylene Rubber) Type 3GI3

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

● Black

CABLE THIRD-PARTY ACCREDITATION

VDE APPROVED - Cables are tested and approved by the VDE Testing & Certification Institute.

STANDARDS

VDE 0250 P606, IEC 60228, HD 383, DIN VDE 0207 P20,

Low Smoke Zero Halogen to: IEC 60754-1/2, IEC 61034-2

Flame Retardant: IEC 60332-1-2

UV Resistant, Ozone resistant EN 50396

Water Resistant to AD5

Oil-resistant acc. to IEC 60811-404

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5NS06KV010015	1	1.5	2.6	0.8	9.5	88
A5NS06KV010025	1	2.5	2.6	0.8	10.2	103
A5NS06KV010040	1	4	2.6	0.8	11.0	130
A5NS06KV010060	1	6	2.6	0.8	11.7	155
A5NS06KV01010	1	10	2.6	0.8	13.1	215
A5NS06KV01016	1	16	2.6	0.8	14.2	283
A5NS06KV01025	1	25	2.9	0.8	16.0	393
A5NS06KV01035	1	35	2.9	1.0	17.1	489
A5NS06KV01050	1	50	2.9	1.0	19.1	651
A5NS06KV01070	1	70	2.9	1.0	21.0	856
A5NS06KV01095	1	95	3.2	1.0	24.1	1109
A5NS06KV01120	1	120	3.2	1.0	25.9	1369
A5NS06KV01150	1	150	3.2	1.0	27.5	1652
A5NS06KV01185	1	185	3.2	1.2	30.1	1965
A5NS06KV01240	1	240	3.2	1.2	31.8	2526

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY A
	In Air
1.5	13.7
2.5	8.21
4	5.09
6	3.39
10	1.95
16	1.24
25	0.795
35	0.565
50	0.393
70	0.277
95	0.210
120	0.164
150	0.132
185	0.108
240	0.0817