



NA2XH Cable

IEC 60502-1 AL-XLPE-LSZH 0.6/1kV



Eland Product Group: A5N

APPLICATION

XLPE insulated and halogen-free thermoplastic compound sheathed power and auxiliary fixed wiring cables for the supply of electrical energy. Installations where fire and emissions of smoke and toxic fumes create a potential threat. Not suitable for use in water.

CHARACTERISTICS

Voltage Rating U_0/U (Um)
0.6/1 (1.2)kV

Temperature Rating

Maximum conductor operating temperature: 90°C
Maximum conductor temperature during S.C: 250°C

Minimum Bending Radius

12 x overall diameter

CONSTRUCTION

Conductor

Class 2 Stranded Plain Aluminium Conductor

Insulation

XLPE (Cross-Linked Polyethylene)

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

● Black

CABLE STANDARDS

IEC 60502-1, IEC 60228

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTB 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 Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/863/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 INSULATION THICKNESS mm	NOMINAL SHEATH THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A5NA2XH5016	5	16	0.7	1.8	22.6	275
A5NA2XH5025	5	25	0.9	1.8	26.6	320
A5NA2XH5035	5	35	0.9	1.8	29.6	360
A5NA2XH5050	5	50	1	2	34	410
A5NA2XH5070	5	70	1.1	2.1	39.1	470
A5NA2XH5095	5	95	1.1	2.3	43.8	530
A5NA2XH5120	5	120	1.2	2.4	48.3	580
A5NA2XH5150	5	150	1.4	2.6	55.7	670
A5NA2XH5185	5	185	1.6	2.8	60	720
A5NA2XH5240	5	240	1.7	3	67.4	810
A5NA2XH5300	5	300	1.8	3.2	75.2	905
A5NA2XH5400	5	400	2	3.6	83.9	1010
A5NA2XH5500	5	500	2.2	3.8	93.5	1125

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20 °C Ω/Km	MAXIMUM CONDUCTOR AC RESISTANCE AT OPERATING TEMP. AND 50HZ Ω/Km	CONDUCTOR S.C.C FOR 1 SEC KA	CURRENT RATING A		
					Laid in ground	Laid in duct	Laid in free air
5	16	1.91	2.435	1.49	92	65	82
5	25	1.2	1.53	2.34	119	86	110
5	35	0.868	1.107	3.27	143	104	136
5	50	0.641	0.817	4.68	174	125	167
5	70	0.443	0.565	6.55	213	157	211
5	95	0.32	0.408	8.90	254	188	256
5	120	0.253	0.323	11.24	289	217	299
5	150	0.206	0.263	14.05	325	247	342
5	185	0.164	0.209	17.33	368	285	397
5	240	0.125	0.159	22.48	427	335	471
5	300	0.1	0.128	28.11	483	384	543
5	400	0.0778	0.099	37.48	555	449	639
5	500	0.0605	0.077	46.85	634	519	743

Laying conditions at trefoil formation are as below:

-Soil thermal resistivity 120 °C.Cm/Watt

-Burial depth 0.5 m | Ground temperature 15 °C | Air temperature 25 °C | Frequency 50 Hz

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.