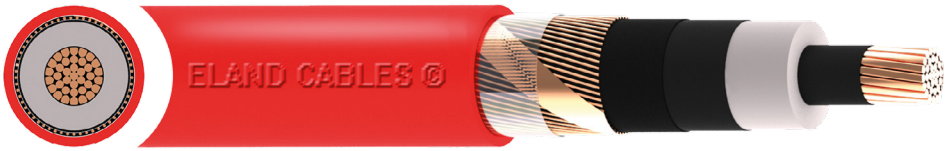
N2XSY HD620 XLPE PVC - 6/10 (12)kV Cable



Eland Product Group: H8A

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. To be laid directly in ground, outdoors, indoors and in cable ducts.

CHARACTERISTICS

Voltage Rating (Uo/U)(Um)
6/10 (12)kV

Test Voltage
21kV

Temperature Rating
Fixed: -20°C to +70°C
Flexed: -5°C to +70°C

Short Circuit Temperature
+250°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Stranded copper conductor

Inner Semi-Conductive Layer
Semi-conductive material

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer
Semi-conductive material

Screen
Copper wires

Sheath
PVC (Polyvinyl Chloride)

Sheath Colour
Red

STANDARDS

IEC 60502-2, DIN VDE 0276-620, HD 620, EN 60228

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

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 mm²		MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen			
H8A10KV01035	1	35	RM/16	23	28	900
H8A10KV01050	1	50	RM/16	24	29	1050
H8A10KV01070	1	70	RM/16	26	31	1300
H8A10KV01095	1	95	RM/16	27	32	1600
H8A10KV01120	1	120	RM/16	29	34	1850
H8A10KV01150	1	150	RM/25	30	35	2200
H8A10KV01185	1	185	RM/25	32	37	2600
H8A10KV01240	1	240	RM/25	34	39	3150
H8A10KV01300	1	300	RM/25	36	40	3750
H8A10KV01400	1	400	RM/35	40	45	4650
H8A10KV01500	1	500	RM/35	43	47	5750

* trefoil touching arrangement

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	RM/16	187	197
50	RM/16	220	236
70	RM/16	268	294
95	RM/16	320	358
120	RM/16	363	413
150	RM/25	405	468
185	RM/25	456	535
240	RM/25	526	631
300	RM/25	591	722
400	RM/35	662	827
500	RM/35	739	921

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