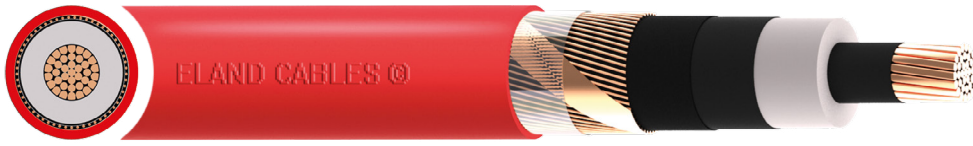


N2XSY XLPE PVC - 12/20 (24)kV Cable



Eland Product Group: A9X

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 U_o/U (Um)
 12/20 (24)kV

Temperature Rating
 Fixed: -20°C to +90°C

Minimum Bending Radius
 15 x overall diameter

CONSTRUCTION

Conductor
 Stranded copper

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

BS 7870 / BS 7871

Flame Retardant according to BS 60332-1-2

BS 5833-5

BS 5833-4

BS 5833-3

BS 5833-2

BS 5833-1

BS 5833-0

BS 5833

0VXS PMEDMBTTUFTU DHGBD BSBTFRVBM BUBOEDPNQMBODFP GUI DBCMF
 UISPVHIBDPOU VPVTBOESHPSPVTUFTU DSHSFHIF



4645 0000 0000 0000

8FBSFPOBKPVSOFOP/FU;FSP

8FhWFDPNNUFEUFBUSUFSNFNTTPTSFEVDURBOTBOEBOFUFESPUBSHHUFU
 4DODFBTFE5BSHFUDBUWFBQEXFhSBTHBOBUPSUIPUIF60BFE/BUOT(MPCBM
 PNQBUDU4VTUBBCMFVWFMPQNFU(PBMT

-FBSONPSFBBCPVUFNCPEDBSCPOBOBBSPOFNITPTSFEVDURBOBDURPT
 PVSDPNQSFIFOTVWFSFDDMDHTFSWDFBOEXEFS&4(BDUWDFGTGPSTVTUBBCMF
 PQFSBUBOTXKFMBOEDBCMFTDPNDPNQBOBCPVUVTFTHTVTUBBCM



SCIENCE
 BASED
 TARGETS

**BUSINESS
 AMBITION FOR 1.5°C**



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab⁶ as meeting the requirements of the BSI RoHS Trusted KitemarkTM.





DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | | MINIMUM OVERALL DIAMETER mm | MAXIMUM OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|---|--------------------|--------------------------------|--------------------------------|-------------------------|
| | | Conductor | Copper Wire Screen | | | |
| H8A20KV01035 | 1 | 35 | 16 | 27 | 32 | 1100 |
| H8A20KV01050 | 1 | 50 | 16 | 28 | 33 | 1250 |
| H8A20KV01070 | 1 | 70 | 16 | 30 | 35 | 1450 |
| H8A20KV01095 | 1 | 95 | 16 | 31 | 36 | 1750 |
| H8A20KV01120 | 1 | 120 | 16 | 33 | 38 | 2050 |
| H8A20KV01150 | 1 | 150 | 25 | 34 | 39 | 2400 |
| H8A20KV01185 | 1 | 185 | 25 | 36 | 41 | 2800 |
| H8A20KV01240 | 1 | 240 | 25 | 39 | 44 | 3400 |
| H8A20KV01300 | 1 | 300 | 25 | 41 | 46 | 4000 |
| H8A20KV01400 | 1 | 400 | 35 | 44 | 49 | 4950 |
| H8A20KV01500 | 1 | 500 | 35 | 47 | 52 | 6050 |

ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA mm ² | | CURRENT CARRYING CAPACITY Amps | |
|---|--------------------|-----------------------------------|--------|
| Conductor | Copper Wire Screen | In Ground | In Air |
| 35 | 16 | 189 | 200 |
| 50 | 16 | 222 | 239 |
| 70 | 16 | 271 | 297 |
| 95 | 16 | 323 | 361 |
| 120 | 16 | 367 | 416 |
| 150 | 25 | 409 | 470 |
| 185 | 25 | 461 | 538 |
| 240 | 25 | 532 | 634 |
| 300 | 25 | 599 | 724 |
| 400 | 35 | 671 | 829 |
| 500 | 35 | 754 | 953 |

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.