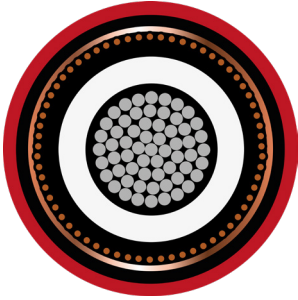




## NA2XS(FL)H 12/20 (24KV) POWER CABLE



### APPLICATION

Medium voltage power cables for fixed installations in distribution networks and for connection to process machinery, Plant and to power generation equipment. Cables can be fixed on cable trays, within conduits or fixed to walls. This cable is not suitable for direct burial.

### CONSTRUCTION

- Conductor:** Class 2 Stranded Aluminium Conductor
- Inner layer:** Semi Conductive Compound
- Insulation:** Cross Linked Polyethylene (XLPE)
- Outer Layer:** Semi Conductive Compound
- Tape:** Longitudinal Water Blocking Tape
- Copper Screen:** Concentric Copper Wire & Copper Equalising Tape
- Tape:** Radial Water Blocking Tape
- Sheath:** Low Smoke Zero Halogen (LSZH)
- Sheath Colour:** **Red**

### CABLE STANDARDS

- IEC 60228
- IEC 60502-2
- IEC 60332-3-24
- IEC 60754-1/2
- IEC 61034-1/2
- EN 50575

### CHARACTERISTICS

- Voltage Rating:** 12/20 24kV
- Temperature Limits:** -5°C to +90°C
- Minimum Bending Radius:** As per cable manufacturer datasheet

**SHOULD NOT BE INSTALLED AT TEMPERATURES BELOW 0°C**



## NA2XS(FL)H 12/20 (24KV) POWER CABLE - CABLE DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM <sup>2</sup> )	NUMBER OF CORES	COPPER WIRE SCREEN (MM)	OVERALL DIAMETER (MM)	WEIGHT (KG/KM)
22KVNA2XSFLH1X35	35	1	16	28	850
22KVNA2XSFLH1X50	50	1	16	29	900
22KVNA2XSFLH1X70	70	1	16	31	1000
22KVNA2XSFLH1X95	95	1	16	33	1200
22KVNA2XSFLH1X120	120	1	16	34	1300
22KVNA2XSFLH1X150	150	1	25	36	1500
22KVNA2XSFLH1X185	185	1	25	37	1650
22KVNA2XSFLH1X240	240	1	25	39	1900
22KVNA2XSFLH1X300	300	1	25	41	2200
22KVNA2XSFLH1X400	400	1	35	44	2600
22KVNA2XSFLH1X500	500	1	35	47	3000
22KVNA2XSFLH1X630	630	1	35	52	3500

## NA2XS(FL)H 12/20 (24KV) 1 CORE - ELECTRICAL CHARACTERISTICS

CONDUCTOR CROSS - SECTIONAL AREA mm <sup>2</sup>	NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR kA	CONDUCTOR DC RESISTANCE AT 20°C Ohm/km	CONDUCTOR AC RESISTANCE BY MAX. TEMPERATURE Ohm/km	CURRENT CARRYING CAPACITY METHOD A	
				IN GROUND AT 20°C	IN AIR AT 30°C
35	3.29	0.868	1.120	145	154
50	4.70	0.641	0.825	195	217
70	6.58	0.443	0.570	237	270
95	8.93	0.320	0.412	282	328
120	11.28	0.253	0.328	320	378
150	14.10	0.206	0.268	353	425
185	17.39	0.164	0.213	396	485
240	22.56	0.125	0.163	457	573
300	28.20	0.100	0.132	511	652
400	37.60	0.0778	0.103	566	740
500	47.00	0.0605	0.081	630	838
630	59.22	0.0469	0.064	701	882

AIR AMBIENT TEMPERATURE: 30°C  
GROUND AMBIENT TEMPERATURE: 20°C