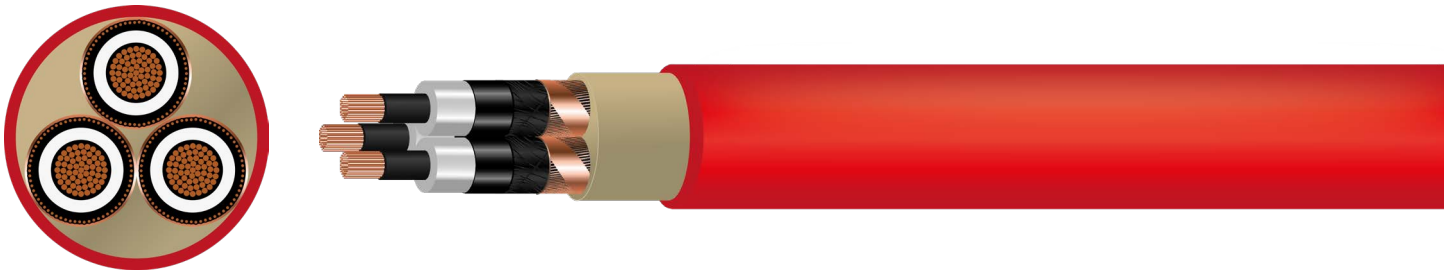
N2XSE(F)H 12/20 (24KV) POWER CABLE



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 Copper Conductor
Inner layer:	Semi Conductive Compound
Insulation:	Cross Linked Polyethylene (XLPE)
Outer layer:	Semi Conductive Compound
Tape:	Water blocking swellable tape
Copper Screen:	Concentric Copper Wire & Copper Equalising Tape
Filler:	Low Smoke Zero Halogen (LSZH)
Sheath:	Low Smoke Zero Halogen (LSZH)
Sheath Colour:	Red

CABLE STANDARDS

IEC 60502-02
EN 60332-1-2
EN 60228
UV Resistant Sheath

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

For more information contact:
01642 241 133

Cleveland Cable Company
www.clevelandcable.com | sales@clevelandcable.com

CLEVELAND CABLE COMPANY

N2XSE(F)H 12/20 (24KV) POWER CABLE - CABLE DIMENSIONS

CCC CODE	CONDUCTOR SIZE (MM^2)	NUMBER OF CORES	COPPER WIRE SCREEN (MM)	OVERALL DIAMETER (MM)	WEIGHT (KG/KM)
22KVN2XSEFH3X35	35	3	16	52	3200
22KVN2XSEFH3X50	50	3	16	55	3800
22KVN2XSEFH3X70	70	3	16	60	4800
22KVN2XSEFH3X95	95	3	16	63	5750
22KVN2XSEFH3X120	120	3	16	66	6650
22KVN2XSEFH3X150	150	3	25	70	8000
22KVN2XSEFH3X185	185	3	25	73	9100
22KVN2XSEFH3X240	240	3	25	80	11200
22KVN2XSEFH3X300	300	3	25	84	11350
22KVN2XSEFH3X400	400	3	35	90	163200

N2XSE(F)H 12/20 (24KV) 3 CORE - ELECTRICAL CHARACTERISTICS

CONDUCTOR CROSS – SECTIONAL AREA	NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR KA	CONDUCTOR DC RESITANCE AT 20°C OHM/KM	CONDUCTOR AC RESISTANCE BY MAX. TEMPERATURE OHM/KM	CURRENT CARRYING CAPACITY METHOD A		CONDUCTOR LOSSES IN THE GROUND KW/KM
				IN GROUND AT 20°C	IN AIR AT 30°C	
35	5.01	0.524	0.670	178	173	63.68
50	7.15	0.387	0.497	210	206	65.75
70	10.01	0.286	0.344	256	257	67.63
95	13.59	0.193	0.248	307	313	70.12
120	17.16	0.153	0.196	349	360	71.62
150	21.45	0.124	0.160	392	410	73.76
185	26.46	0.099	0.128	443	469	75.36
240	34.32	0.0754	0.0980	513	553	77.37
300	42.90	0.0601	0.0800	576	635	79.63
400	57.20	0.0470	0.0640	650	731	81.12

AIR AMBIENT TEMPERATURE: 30°C
GROUND AMBIENT TEMPERATURE: 20°C
CONDUCTOR OPERATING TEMPERATURE: 90°C
DEPTH OF DUCT: 0.7M
SOIL THERMAL RESISTIVITY: 1km/W

For more information contact:
01642 241 133

Cleveland Cable Company
www.clevelandcable.com | sales@clevelandcable.com