

N2XS(F)2Y 18/30 (36) kV

Medium-voltage, single-core power cable with copper conductor, XLPE insulation, copper wire screen, longitudinal water blocking and PE outer.

APPLICATION

Medium-voltage power cable for fixed installation in distribution networks, industrial installations and power generation facilities. Suitable for indoor and outdoor installation, in cable ducts, on cable trays and directly in the ground. Longitudinal water-blocking layers provide enhanced protection against moisture ingress.

CONSTRUCTION

Conductor: Class 2 stranded aluminium conductor
Conductor screen: Extruded semiconducting compound
Insulation: Cross-linked polyethylene (XLPE), XLPE
Insulation screen: Extruded semiconducting compound
Longitudinal water blocking: Semiconductive water-swellable tape
Metallic screen: Copper wires with counter-helically applied copper tape
Longitudinal water blocking: Water-swellable tape
Outer sheath: Polyethylene (PE), ST7

Outer Sheath Colour:
● Black
Other colours available on request

TECHNICAL CHARACTERISTICS

Longitudinal water tightness: Yes
UV resistance: Yes
Minimum installation temperature: –20 °C
Maximum conductor operating temperature: 90 °C
Maximum conductor short-circuit temperature: 250 °C (max. 5 s)

STANDARD

HD 620 S3
DIN VDE 0276-620

COMPLIANCE

REACH COMPLIANT · COMPLIANT · COMPLIANT
RoHS compliant

NOM. CROSS SECTION OF CONDUCTOR	NOM. CROSS SECTION OF METALLIC SCREEN	CONDUCTOR MAX. DC RESISTANCE AT 20°C	NOMINAL INSULATION THICKNESS	MIN. SHEATH THICKNESS	OUTER DIAM. (APPROX.)	CABLE WEIGHT (APPROX.)
mm²	mm²	Ω/km	mm	mm	mm	kg/km
50	16	0,387	8,0	2.1	37,0	1330
70	16	0,268	8,0	2.1	38,5	1575
95	16	0,193	8,0	2.1	40,0	1860
120	16	0,153	8,0	2.1	41,5	2120
150	25	0,124	8,0	2.1	43,0	2490
185	25	0,0991	8,0	2.1	44,5	2865
240	25	0,0754	8,0	2.1	47,0	3415
300	25	0,0601	8,0	2.1	49,5	4035
400	35	0,0470	8,0	2.1	53,0	5070
500	35	0,0366	8,0	2.1	55,5	6130
630	35	0,0283	8,0	2.1	59,5	7635
800	50	0,0221	8,0	2.4	64,0	9465
1000	50	0,0176	8,0	2.4	68,0	11220

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