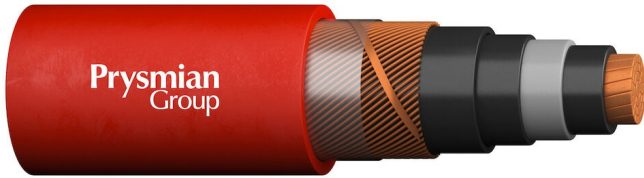


PROTOTHEN X N2XSY 6/10kV

Distribution and interconnection cable.



Distribution and interconnection cable for industry and power generation networks. Laying: in ground, in tubes, free in air, indoors and in water.

STANDARDS



IEC 60502-2	General
DIN VDE 0276-620	General
DIN EN 60332-1-2	Fire performance
DIN EN 50575	Fire performance

CABLE DESIGN

Marketing text 1	Copper: bare, round stranded, class 2
Core insulation material	XLPE
Screen construction	Wire screen and counterhelix tape
Screen	Yes
Screen material	Copper, bare
Material outer sheath	Polyvinyl chloride (PVC)

ELECTRICAL & THERMAL PARAMETERS

Rated voltage U ₀ /U (Um)	6/10 (12) kV
Test voltage [kV]	21
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Min. Installation temperature [°C]	-5

CHARACTERISTICS

Outdoor installation	Yes
Underground installation	Yes

CHEMICAL PROPERTIES

Reaction-to-fire class according to EN 13501-6	Fca
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ELECTRICAL PROPERTIES

Basic construction	Nominal outer diameter [mm]	Cable weight [kg/km]	Short circuit current conductor (1sec) [kA]	Short circuit current screen (1sec) [kA]
1x35/16	23	880	13.58	3.3
1x35/16	23	880	5.01	3.3
1x50/16	24	1,050	7.15	3.3
1x70/16	26	1,250	10.01	3.3
1x120/16	29	1,800	17.16	3.3
1x150/25	31	2,150	21.45	5.1
1x185/25	32	2,500	26.46	5.1
1x240/25	35	3,050	34.32	5.1
1x300/25	37	3,650	42.9	5.1
1x400/35	40	4,600	57.2	7.1
1x500/35	43	5,600	71.5	7.1

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