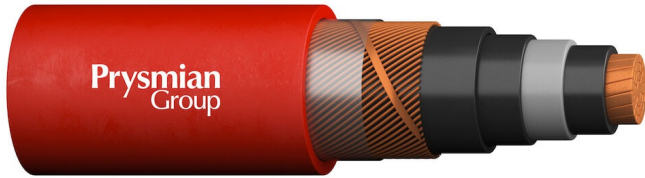


PROTOTHEN X N2XSY 6/10kV

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
DIN VDE 0276-620
DIN EN 60332-1-2
DIN EN 50575

General
General
Fire performance
Fire performance

CABLE DESIGN

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 (U _m)	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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