

N2XH PRO 0,6/1KV B2ca

Low Smoke Zero Halogen cables for a wide range of applications



B2ca
CPR

PRODUCT FAMILY DESCRIPTION

The Prysmian N2XH PRO B2ca (s1a,d1, a1) with copper conductor is a Low Smoke Zero Halogen (LSOH) cable. These flame-retardant cables develop much less and lighter smoke than traditional PVC-cables, and the smoke developed is a lot less toxic. Owing to the fact that the cables have improved properties under fire, they are recommended for fixed installations in public buildings frequented by large amounts of people, for industrial complexes, electric power plants, transformer stations, municipal facilities, hotels, shopping malls, hospitals, schools, airports as well as underground railways. To be laid indoors, in air or concrete. Direct laying in the soil or in water is not permitted. In line with Prysmian's global sustainability commitments, the conductor of this product is composed of at least 30% recycled material. Furthermore, its production is supported by green energy initiatives, including the utilization of solar power from our factories' own solar parks.

GENERAL INFORMATION

Brand	Prysmian
Application	Building Installations;Industrial Installations

STANDARDS



DIN VDE 0276-604
EN 60332-1-2
EN-50399
EN 13501-6

General
Fire performance
Fire performance
Fire performance

CABLE-DESIGN

Conductor material	Copper
Conductor surface	Bare
Core identification (acc. HD 308 S2)	Yes
Core insulation material	XLPE
Material outer sheath	Low smoke zero halogen
Cable shape	Round

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ELECTRICAL & THERMAL PARAMETERS

Nominal voltage U ₀ [V]	600
Nominal voltage U [V]	1,000
Test voltage [kV]	4
Rated voltage U ₀ /U (Um)	0.6/1 (1.2) kV
Max. conductor temperature [°C]	90
Max. conductor temperature at short circuit [°C]	250
Minimum temperature for fix installation [°C]	-5
Maximum temperature for fix installation [°C]	50

CHARACTERISTICS

Outdoor installation	Yes
Bending radius (rule)	During installation: 15 x D single-core cables; 12 x D multi-core cables

CHEMICAL PROPERTIES

Silicon free	Yes
Lead free	Yes
Flame retardant	In accordance with EN 13501-6
Halogen free	acc. IEC/EN 60754-1/2
Low smoke (acc. EN 61034-2)	Yes
CPR reaction to fire	B2ca

SUSTAINABILITY COMMITMENT

Our commitment to a low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in.

Sustainability and environmental responsibility is evident also in our **packaging** solutions across the CEE region. We use fully recyclable drum cover foils to minimize environmental impact. Our packaging for rings is made from 30% recycled materials, supporting a circular economy. Additionally, our boxes are made from recyclable, environment-friendly cardboard, promoting eco-conscious choices. By choosing Prysmian, you are not only selecting high-quality products but also contributing to a greener future.

Check for more details about our sustainability commitment here: [Sustainability report and responsibility](#).



CABLE PROPERTIES

SAP code	Basic construction	Type	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20464169	1x16	-O	14	348	1019411
20464170	1x25	-O	16	488	1019411
20464231	1x35	-O	17	593	1019411
20464232	1x50	-O	18.2	731	1019411
20464233	1x70	-O	20	958	1019411
20456296	1x95	-O	21.6	1,224	1019411
20456392	1x120	-O	23.3	1,479	1019411
20456393	1x150	-O	25.1	1,765	1019411
20456297	1x185	-O	27.1	2,148	1019411
20456298	1x240	-O	29.8	2,724	1019411
20456394	1x300	-O	32.2	3,321	1019411
20456395	1x400	-O	35.4	4,172	1019411
20456401	1x500	-O	39	5,241	1019411
20464234	1x630	-O	43.2	6,673	1019411
20355532	2x35	-O	27	1,400	1019412
20341585	2x185	-O	48	4,854	1019412
20457104	3x1,5	-J	10.9	174	1019412
20348450	3x2,5	-J	14.7	318	1019412
20456398	3x35	-J	26.8	1,616	1019412
20456402	3x50	-J	29.8	2,092	1019412
20456300	3x70	-J	33.9	2,839	1019412
20456397	3x95	-J	37.6	3,729	1019412

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SAP code	Basic construction	Type	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20456299	3x120	-J	41.7	4,641	1019412
20456396	3x150	-J	45.8	5,638	1019412
20456414	3x185	-J	50.4	6,962	1019412
20456403	3x240	-J	56.2	8,947	1019412
20348452	4x1,5	-O	14.7	303	1019412
20456406	4x35	-O	28	1,931	1019412
20456411	4x50	-O	30.5	2,319	1019412
20456404	4x50	-O	32.1	2,559	1019412
20456399	4x70	-O	34.7	3,183	1019412
20456413	4x95	-O	38.6	4,216	1019412
20456400	4x120	-O	42.1	5,188	1019412
20456415	4x150	-O	46.4	6,336	1019412
20456412	4x185	-O	51	7,812	1019412
20456417	4x240	-O	56.8	10,096	1019412
20348199	5x1,5	-J	15.5	337	1019412
20348451	5x2,5	-J	16.5	406	1019412
20348198	5x6	-J	20.3	696	1019412
20456416	5x16	-J	25.2	1,303	1019412
20456418	5x25	-J	28.6	1,846	1019412
20456405	5x35	-J	31.5	2,386	1019412
20456407	5x50	-J	35	3,111	1019412
20464235	5x70	-J	40.3	4,299	1019412

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20464236	5x95	-J	45.2	5,732	1019412
20464166	5x120	-J	50.2	7,151	1019412
20464168	5x150	-J	55.2	8,718	1019412
20464167	5x185	-J	60.9	10,808	1019412

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