

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	1x16RM	-O	14	348	1019411
20464170	1x25RM	-O	16	488	1019411
20464231	1x35RM	-O	17	593	1019411
20464232	1x50RM	-O	18.2	731	1019411
20464233	1x70RM	-O	20	958	1019411
20456296	1x95RM	-O	21.6	1,224	1019411
20456392	1x120RM	-O	23.3	1,479	1019411
20456393	1x150RM	-O	25.1	1,765	1019411
20456297	1x185RM	-O	27.1	2,148	1019411
20456298	1x240RM	-O	29.8	2,724	1019411
20456394	1x300RM	-O	32.2	3,321	1019411
20456395	1x400RM	-O	35.4	4,172	1019411
20456401	1x500RM	-O	39	5,241	1019411
20464234	1x630RM	-O	43.2	6,673	1019411
20355532	2x35RM	-O	27	1,400	1019412
20341585	2x185RM	-O	48	4,854	1019412
20457104	3x1,5RE	-J	10.9	174	1019412
20348450	3x2,5RE	-J	14.7	318	1019412
20458472	3x4	-J	13.66	308	1019412
20458473	3x6	-J	15.1	400	1019412
20458474	3x10	-J	17.11	565	1019412
20458475	3x16	-J	20.58	863	1019412

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SAP code	Basic construction	Type	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20458377	3x25	-J	24.1	1,246	1019412
20456398	3x35RM	-J	26.8	1,616	1019412
20456402	3x50RM	-J	29.8	2,092	1019412
20456300	3x70RM	-J	33.9	2,839	1019412
20456397	3x95RM	-J	37.6	3,729	1019412
20456299	3x120RM	-J	41.7	4,641	1019412
20456396	3x150RM	-J	45.8	5,638	1019412
20456414	3x185RM	-J	50.4	6,962	1019412
20456403	3x240RM	-J	56.2	8,947	1019412
20348452	4x1,5RE	-O	14.7	303	1019412
R20477912	4x2.5RE	-O	12.7	259	1019412
20477912	4x2.5RE	-J	12.7	259	1019412
R20458380	4x4RE	-O	14.6	363	1019412
20458380	4x4RE	-J	14.6	363	1019412
20458482	4x6RE	-J	15.86	464	1019412
R20458482	4x6RE	-O	15.86	464	1019412
20458481	4x10RE	-J	18.2	671	1019412
R20458481	4x10RE	-O	18.2	671	1019412
20458491	4x16RMV	-J	21.2	987	1019412
R20458491	4x16RMV	-O	21.2	987	1019412
20477879	4x25RM	-O	26.3	1,520	1019412
20456406	4x35RM	-O	28	1,931	1019412

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SAP code	Basic construction	Type	Nominal outer diameter [mm]	Cable weight [kg/km]	DOP number
20456404	4x50RMV	-O	32.1	2,559	1019412
20456399	4x70RM	-O	34.7	3,183	1019412
20456413	4x95RM	-O	38.6	4,216	1019412
20456400	4x120RM	-O	42.1	5,188	1019412
20456415	4x150RM	-O	46.4	6,336	1019412
20456412	4x185RM	-O	51	7,812	1019412
20456417	4x240RM	-O	56.8	10,096	1019412
20348199	5x1,5RE	-J	12.8	242	1019412
20348451	5x2,5RE	-J	13.8	306	1019412
20477921	5x4RE	-J	16.07	437	1019412
20348198	5x6RE	-J	20.3	696	1019412
20478442	5x10RMV	-J	20.29	813	1019412
20456416	5x16RM	-J	25.2	1,303	1019412
20456418	5x25RM	-J	28.6	1,846	1019412
20456405	5x35RM	-J	31.5	2,386	1019412
20456407	5x50RM	-J	35	3,111	1019412
20464235	5x70RM	-J	40.3	4,299	1019412
20464236	5x95RM	-J	45.2	5,732	1019412
20464166	5x120RM	-J	50.2	7,151	1019412
20464168	5x150RM	-J	55.2	8,718	1019412
20464167	5x185RM	-J	60.9	10,808	1019412

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