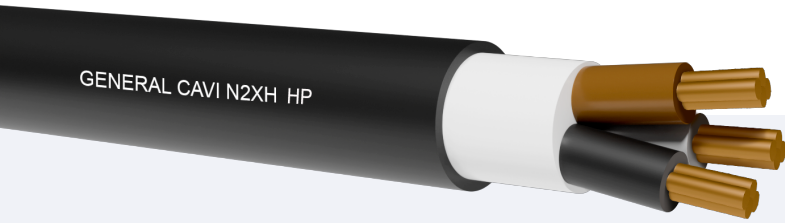


# N2XH 0,6/1 kV HP

[D]CPR B2ca- s1a,d1,a1

Model Product: 378-379-483-484 - 20260127



Rigid class 1 and class 2 red copper conductor.  
XLPE Crosslinked polyethylene insulation, 2X11  
Not fibrous and not hygroscopic filler  
LSZH thermoplastic sheath, HM4.

## STANDARDS

VDE 0276 part 604 VDE 0482 part 267  
HD 604 S1 HD627 S1  
EN 50575:2014 + EN 50575/A1:2016

Accordingly to the standards BT 2014/35/UE- 2011/65/EU (RoHS 3)

## COMMON FEATURES

Halogen-free plastic sheathed cable with enhanced characteristics in case of fire, used for applications where harm to human life and damage to property must be prevented in the event of fire, e.g. industrial installations, communal establishment, hotels, airports, underground stations, railway stations, hospitals, departmental stores, banks, schools, theatres, multi storey buildings, process control centres. Suitable for installation in dry, damp or wet environments, for installation above and below plaster as well as masonry walls and in concrete, nevertheless not suitable for direct use in compacted or tamped concrete. Also suitable for outdoor applications. In accordance with installation standard IEC 60364 and as applicable to equivalent in Germany (DIN VDE 0100), Italy (CEI 20-60), Nederland (NEN1010), France (NF C15-100). Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire and smoke.

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm):  
Normal use=  $D \leq 8$  (4D)  $D \leq 12$  (5D)  $D > 20$  (6D)  
Accurate bending close to the terminal=  $D \leq 8$  (2D)  $D \leq 12$  (3D)  $D > 20$  (4D)  
Maximum pulling stress:

XLPE INSULATED CABLES OF RATED VOLTAGES UP TO 0,6/1kV WITH CROSSLINKED POLYMER AND L.S.O.H.

Nominal voltage U0: 600 V

Nominal voltage U: 1000 V

Test voltage: 4000 V

Maximum voltage Um: 1200 V

Maximum operating temperature: +90°C

Maximum short circuit temperature: +250°C

Minimum installation and laying temperature: -5°C

Min. operating temperature (without mechanical shocks): -20°C

## CORE COLOURS

Single core: black

Two cores: blue, brown

Three cores: Brown - Black - Gray (or Y/G, Blue and Brown)

Four cores: blue-brown-black-gray (or Y/G instead blue)

Five cores: Y/G-blue-brown-black-gray (black no Y/G)

Multicores: black with numbers and Y/G

## SHEATH COLOUR

Black

## INK MARKING

N2XH 0,6/1 kV HP YEAR GENERAL CAVI VDE 0276 B2ca- s1a,d1,a1

## NOTE

RE= class 1; RM= class 2

# N2XH 0,6/1 kV HP

[D]CPR B2ca- s1a,d1,a1

Model Product: 378-379-483-484 - 20260127



Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Minimum sheath thickness	Maximum external diameter	Electric resistance at 20°C	Approx cable weight	Current carrying air free	Current carrying buried
(N°)	(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
Single core									
1x	4RE	2.25	0.7	1.09	7.6	4.61	90	45	59
1x	6RE	3.05	0.7	1.09	8.2	3.08	115	58	74
1x	10RE	3.8	0.7	1.09	9.2	1.83	165	80	101
1x	16RE	4.7	0.7	1.09	10.5	1.15	230	107	128
1x	25RM	5.9	0.9	1.09	12.5	0.727	340	138	144
1x	35RM	7.1	0.9	1.09	13.5	0.524	440	169	174
1x	50RM	8.0	1	1.09	15.0	0.387	570	207	206
1x	70RM	9.6	1.1	1.09	17.0	0.268	795	268	254
1x	95RM	11.4	1.1	1.18	19.0	0.193	1055	328	301
1x	120RM	13.1	1.2	1.18	21.0	1055	1315	382	343
1x	150RM	14.6	1.4	1.26	23.0	1315	1600	441	387
1x	185RM	16.5	1.6	1.26	25.5	1600	1975	506	434
1x	240RM	18.4	1.7	1.35	28.5	1975	2525	599	501
1x	300RM	21.1	1.8	1.43	31.0	0.0601	3150	693	565
1x	400RM	23.5	2.0	1.90	35.1	0.0470	3995	700	639
1x	500RM	26.5	2.2	2.00	39.0	0.0366	5100	720	665
Two cores									
2x	1.5RE	1.4	0.7	1.43	10.5	12.1	125	26	37
2x	2.5RE	1.8	0.7	1.43	11.5	7.41	155	36	48
2x	4RE	2.25	0.7	1.43	13.0	4.61	195	49	63
2x	6RE	3.05	0.7	1.43	14.0	3.08	295	63	80
2x	10RE	3.8	0.7	1.43	16.0	1.83	390	86	104
2x	16RE	4.7	0.7	1.43	18.5	1.15	560	115	136
2x	25RM	5.9	0.9	1.43	22.0	0.727	850	149	173
2x	35RM*	7.1	0.9	1.43	24.5	0.524	1080	185	208
2x	50RM*	8.0	1	1.43	26.5	0.387	1290	220	256
Three cores									
3x	1.5RE	1.4	0.7	1.43	11.0	12.1	145	23	31
3x	2.5RE	1.8	0.7	1.43	12.5	7.41	180	31	41
3x	4RE	2.25	0.7	1.43	13.5	4.61	235	42	53
3x	6RE	3.05	0.7	1.43	15.0	3.08	325	54	66
3x	10RE	3.8	0.7	1.43	17.0	1.83	485	75	87
3x	16RE	4.7	0.7	1.43	19.5	1.15	705	100	113
3x	25RM	5.9	0.9	1.43	23.5	0.727	1080	127	144
3x	35RM	7.1	0.9	1.43	26.0	0.524	1425	158	174

# N2XH 0,6/1 kV HP

[D]CPR B2ca- s1a,d1,a1

Model Product: 378-379-483-484 - 20260127



Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Minimum sheath thickness	Maximum external diameter	Electric resistance at 20°C	Approx cable weight	Current carrying air free	Current carrying buried
(N°)	(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
3x	50RM	8.0	1.0	1.43	29.0	0.387	1840	192	206
3x	70RM	9.6	1.1	1.52	34.0	0.268	2540	246	254
3x	95RM	11.4	1.1	1.60	38.5	0.193	3430	298	301
3x	120RM	13.1	1.2	1.69	42.5	0.153	4440	346	343
3x	150RM	14.6	1.4	1.86	47.5	0.124	5380	395	387
3x	185RM	16.5	1.6	1.94	53.0	0.0991	6920	450	434
3x	240RM	18.4	1.7	2.11	59.5	0.0754	8420	538	501
Four cores									
3x50 + 1x25RM		8.0	1.0	1.52	31.1	0.387	2160	192	206
3x70 + 1x35RM		9.6	1.1	1.60	36.2	0.268	3010	246	254
3x95 + 1x50RM		11.4	1.1	1.69	40.6	0.193	3960	298	301
3x120 + 1x70RM		13.1	1.2	1.86	45.4	0.153	5160	346	343
3x150 + 1x70RM		14.6	1.4	1.94	49.5	0.124	6150	395	387
3x185 + 1x95RM		16.5	1.6	2.11	54.4	0.0991	7780	450	434
3x240 + 1x120RM		18.4	1.7	2.28	61.5	0.0754	9550	538	501
4x	1.5RE	1.4	0.7	1.43	12.0	12.1	170	23	31
4x	2.5RE	1.8	0.7	1.43	13.0	7.41	215	31	41
4x	4RE	2.25	0.7	1.43	14.5	4.61	290	42	53
4x	6RE	3.05	0.7	1.43	16.0	3.08	390	54	66
4x	10RE	3.8	0.7	1.43	18.5	1.83	600	75	87
4x	16RE	4.7	0.7	1.43	21.0	1.15	870	100	113
4x	25RM	5.9	0.9	1.43	25.5	0.727	1365	127	144
4x	35RM	7.1	0.9	1.43	28.5	0.524	1875	158	174
4x	50RM	8.0	1.0	1.52	31.1	0.387	2550	192	206
4x	70RM	9.6	1.1	1.60	36.2	0.268	3010	246	254
4x	95RM	11.4	1.1	1.69	40.6	0.193	3960	298	301
4x	120RM	13.1	1.2	1.86	45.4	0.153	5160	346	343
4x	150RM	14.6	1.4	1.94	49.5	0.124	6150	395	387
4x	185RM	16.5	1.6	2.11	54.4	0.0991	7780	450	434
4x	240RM	18.4	1.7	2.28	61.5	0.0754	9550	538	501
Five cores									
5x	1.5RE	1.4	0.7	1.43	13.0	12.1	195	23	31
5x	2.5RE	1.8	0.7	1.43	14.5	7.41	255	31	41
5x	4RE	2.25	0.7	1.43	16.0	4.61	345	42	53
5x	6RE	3.05	0.7	1.43	17.5	3.08	475	54	66
5x	10RE	3.8	0.7	1.43	20.0	1.83	735	75	87

# N2XH 0,6/1 kV HP

[D]CPR B2ca- s1a,d1,a1

Model Product: 378-379-483-484 - 20260127



Cores number	Cross section	Approx conductor diameter	Insulation medium thickness	Minimum sheath thickness	Maximum external diameter	Electric resistance at 20°C	Approx cable weight	Current carrying air free	Current carrying buried
(N°)	(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
5x	16RE	4.7	0.7	1.43	23.0	1.15	1070	100	113
5x	25RM*	5.9	0.9	1.43	30.0	0.727	1800	127	144
5x	35RM*	7.1	0.9	1.43	36.5	0.524	22375	158	174
5x	50RM*	8.0	1.0	1.52	40.0	0.387	4000	192	206
5x	70RM*	9.6	1.1	1.60	47.0	0.268	5400	246	254
5x	95RM*	11.4	1.1	1.69	-	0.193	5800	298	301
5x	120RM*	13.1	1.2	1.86	-	0.153	6000	346	343
5x	150RM*	14.6	1.4	1.94	-	0.124	8000	395	395
5x	185RM*	16.5	1.6	2.11	-	0.0991	9925	450	434
5x	240RM*	18.4	1.7	2.28	-	0.0754	12625	538	501

RE= class 1; RM= class 2

The sections marked with (\*) not subject to the VDE mark, but comply with EU Regulation 305/11 (CPR)