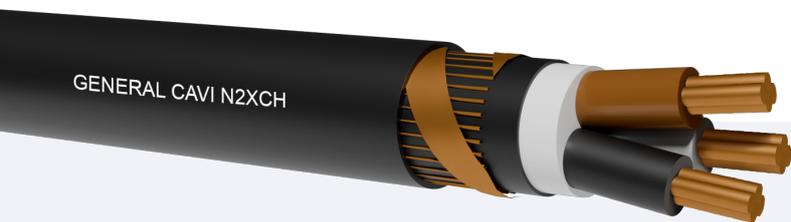


# N2XCH 0,6/1kV

[D] L.S.O.H.

Model Product: 478-479-485-486 - 20160421



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

## STANDARDS

VDE.0276 HD.604.S1 VDE.0295 IEC.60228 HD.383 HD.0627 S1

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

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): RE 15D  
 RM 12D

Maximum pulling stress:

A power cable, 0,6 / 1kV, halogen-free, with concentric conductor, without functionality

Nominal voltage U0: 600V

Nominal voltage U: 1000V

Test voltage: 4000V

Maximun voltage Um: 1200V

Maximun operating temperature: +90°C

Maximun short circuit temperature: +250°C

Minimum installation and laying temperature: -5°C

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

## CORE COLOURS

Single core: -O black; -J green/yellow

Two cores: blue, brown

Three cores: -O-brown, black, gray; -J green-yellow, blue, brown

Four cores: -O blue, brown, black, gray; -J green-yellow, brown, black, gray

Five cores: -O blue, brown, black, black, gray; -J green-yellow, blue, brown, black, gray

Multicores: -O numbered black; -J numbered blacks, green-yellow

## SHEATH COLOUR

Black

## NOTE

RE=rigid single wire conductor class 1

RM=rigid stranded multiwires conductor class 2



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## N2XCH

Cores number	Cross section	Approx conductor diameter	MAXIMUM external diameter	Electric Resistance	Approx cable weight	Current carrying air free	Current carrying buried
(N°)	(mmq)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
Two cores							
2x	1.5/1.5RE	1.4	14.0	12.1	250	26	37
2x	2.5/2.5RE	1.8	15.0	7.41	280	36	48
2x	4/4RE	2.25	14.0	4.61	320	49	63
2x	6/6RE	3.05	15.0	3.08	400	63	80
2x	10/10RE	3.8	16.0	1.83	560	86	104
2x	16/16RE	4.7	19.1	1.15	780	115	136
Three cores							
3x	1.5/1.5RE	1.4	14.5	12.1	250	23	31
3x	2.5/2.5RE	1.8	15.5	7.41	320	31	41
3x	4/4RE	2.25	16.5	4.61	400	42	53
3x	6/6RE	3.05	18.0	3.08	500	54	66
3x	10/10RE	3.8	20.0	1.83	750	75	87
3x	16/16RE	4.7	22.5	1.15	1000	100	113
3x	25/16RM	5.9	27.0	0.727	1600	127	144
3x	35/16RM	7.1	27.5	0.524	1900	158	174
3x	50/25RM	8.0	32.5	0.387	2400	192	206
3x	70/35RM	9.6	35.6	0.268	3060	246	254
3x	95/59RM	11.4	39.0	0.193	4200	298	301
3x	120/70RM	13.1	42.0	0.153	5207	346	343
3x	150/70RM	14.6	43.5	0.124	5700	395	387
3x	185/95RM	16.5	47.4	0.0991	7150	450	434
3x	240/120RM	18.4	53.5	0.0754	9250	538	501
Four cores							
4x	1.5/1.5RE	1.4	15.5	12.1	300	23	31
4x	2.5/2.5RE	1.8	16.5	7.41	380	31	41
4x	4/4RE	2.25	17.5	4.61	480	42	53
4x	6/6RE	3.05	19.0	3.08	600	54	66
4x	10/10RE	3.8	21.5	1.83	850	75	87
4x	16/16RE	4.7	24.5	1.15	1200	100	113
4x	25/16RM	5.0	29.0	0.727	1800	127	144
4x	35/16RM	7.1	29.5	0.524	2100	158	174
4x	50/25RM	8.0	32.5	0.387	2800	192	206
4x	70/35RM	9.6	38.0	0.268	3800	246	254
4x	95/50RM	11.4	43.5	0.193	5100	298	301



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Cores number	Cross section	Approx conductor diameter	MAXIMUM external diameter	Electric Resistance	Approx cable weight	Current carrying air free	Current carrying buried
(N°)	(mmq)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
4x	120/70RM	13.1	50.5	0.153	6556	346	343
4x	150/70RM	14.6	52.1	0.124	7600	395	387
4x	185/95RM	16.5	57.2	0.0991	9370	450	434
4x	240/120RM	18.4	62.6	0.0754	11611	538	501
Multicores							
7x	1.5/1.5RE	1.4	14.5	12.1	320	18	-
7x	2.5/2.5RE	1.8	15.1	7.41	400	23	-
7x	4/4RE	2.25	18.1	4.61	580	31	-
10x	1.5/1.5RE	1.4	17.2	12.1	420	16	-
10x	2.5/2.5RE	1.8	18.9	7.41	550	22	-
12x	1.5/2,5RE	1.4	18.4	12.1	460	14	-
12x	2.5/4RE	1.8	19.2	7.41	610	20	-
12x	4/6RE	2.25	22.6	4.61	910	22	-
16x	1.5/4RE	1.4	20.0	12.1	686	12	-
16x	2.5/6RE	1.8	20.9	7.41	805	18	-
21x	1.5/6RE	1.4	22.6	12.1	766	10	-
21x	2.5/6RE	1.8	25.2	7.41	1015	16	-
24x	1.5/6RE	1.4	23.2	12.1	800	8	-
24x	2.5/10RE	1.8	26.1	7.41	1100	14	-
30x	1.5/6RE	1.4	24.3	12.1	930	6	-
30x	2.5/10RE	1.8	28.0	7.41	1290	12	-