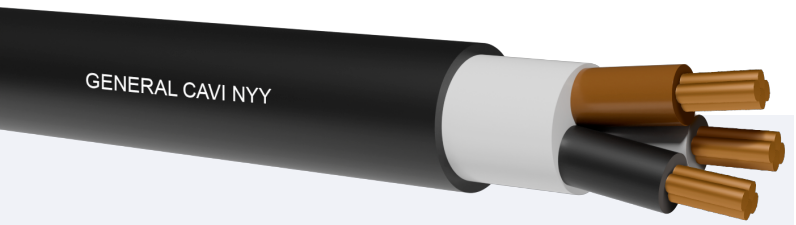
NYY 0,6/1kV

[D]CPR Eca

Model Product: 427-428 - 20181005



PVC cable with copper conductors UV-resistant no Flame propagation

Rigid class 1 and class 2 red copper conductor.
PVC insulation, DIV4.
PVC Sheath, DMV5.

STANDARDS

DIN VDE 0276-603.3G HD 603.3G
EN 50575:2014 + EN 50575/A1:2016

Accordingly to the standards BT 2014/35/UE- RoHS 3: 2002/95/EC

- Nominal voltage U0: 600 V
- Nominal voltage U: 1000 V
- Test voltage: 4000 V
- Maximun voltage Um: 1200 V
- Maximun operating temperature: +70°C
- Maximun short circuit temperature for sections up to 240mm²: +160°C
- Maximun short circuit temperature for sections over 240mm²: +140°C
- Minimum installation and laying temperature: -5°C
- Min. operating temperature (without mechanical shocks): -40°C
- Minimum installation and laying temperature: -5°C

COMMON FEATURES

Distribution, connection and installation of cables, power plants, industrial plants and distribution networks. Insensitive to occasional impacts (eg splashes) of oils and fuels. These cables meet the requirements according to IEC 60502-1.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.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): 12D - 15D

Maximum pulling stress: 50 N/mmq

CORE COLOURS

Single core: NYY-O black, NYY-J green-yellow

Two cores: NYY-O blue, brown

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

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

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

SHEATH COLOUR

black

INK MARKING

General Cavi NYY Year construction and batch processing

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								Two loaded cores	3 loaded cores
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(Ohm/km)	(A)	(A)
Single core									
1x	4*	2.3	1.0	9	120	135	4.61	36	32
1x	6*	2.8	1.0	9	145	135	3.08	46	41
1x	10*	4	1.0	10	190	150	1.83	63	57
1x	16*	5.1	1.0	11	255	165	1.15	85	76
1x	25*	6.4	1.2	13	380	195	0.727	112	96
1x	35*	7.3	1.2	14	480	210	0.524	138	119
1x	50*	8.5	1.4	16	630	240	0.387	168	144
1x	70*	10.2	1.4	17	830	255	0.268	213	184
1x	95*	12	1.6	19	1150	285	0.193	258	223
1x	120*	13.4	1.6	21	1350	315	0.153	299	259
1x	150*	14.6	1.8	23	1650	345	0.124	344	299
1x	185*	16.4	2.0	25	2050	375	0.0991	392	341
1x	240*	18.6	2.2	27	2600	405	0.0754	461	403
1x	300*	21.1	2.4	30	3250	450	0.0601	530	464
1x	400*	23.5	2.6	34	4100	510	0.0470	-	-
1x	500*	26.5	2.8	38	5200	570	0.0366	-	-
Two cores									
2x	1.5	1.4	0.8	12	210	144	12.1	19.5	-
2x	2.5	1.8	0.8	12	250	144	7.41	27	-
2x	4	2.3	1.0	15	360	180	4.61	36	-
2x	6	2.8	1.0	15	400	180	3.08	46	-
2x	10	4	1.0	17	500	204	1.83	63	-
2x	16	5.1	1.0	19	700	228	1.15	85	-
2x	25	6.4	1.2	23	1000	276	0.727	112	-
Three cores									
3x	1.5	1.4	0.8	12	230	144	12.1	19.5	17.5
3x	2,5	1.8	0.8	13	280	156	7.41	27	24
3x	4	2.3	1.0	15	400	180	4.61	36	32
3x	6	2.8	1.0	16	460	192	3.08	46	41
3x	10	4	1.0	18	660	216	1.83	63	57
3x	16	5.1	1.0	20	900	240	1.15	85	76
3x	25	6.4	1.2	24	1300	288	0.727	112	96
3x	35	7.3	1.2	25.4	1450	305	0.524	138	119
Four cores									
4x	1.5	1.4	0.8	13	260	156	12.1	19.5	17.5

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								Two loaded cores	3 loaded cores
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(Ohm/km)	(A)	(A)
4x	2.5	1.8	0.8	14	320	168	7.41	27	24
4x	4	2.3	1.0	16	450	192	4.61	36	32
4x	6	2.8	1.0	17	550	204	3.08	46	41
4x	10	4	1.0	19	750	228	1.83	63	57
4x	16	5.1	1.0	21	1100	252	1.15	85	76
4x	25	6.4	1.2	26	1600	312	0.727	112	96
4x	35	7.3	1.2	28	1800	336	0.524	138	119
4x	50	8.5	1.4	30.5	2380	366	0.387	168	144
4x	70	10.2	1.4	34.5	3100	414	0.268	213	184
Five cores									
5x	1.5	1.4	0.8	14	300	168	12.1	19.5	17.5
5x	2.5	1.8	0.8	15	365	180	7.41	27	24
5x	4	2.3	1.0	17	500	204	4.61	36	32
5x	6	2.8	1.0	19	680	228	3.08	46	41
5x	10	4	1.0	21	930	252	1.83	63	57
5x	16	5.1	1.0	23	1250	276	1.15	85	76
5x	25	6.4	1.2	29	1950	348	0.727	112	96
5x	35	7.3	1.2	35	2400	420	0.525	138	119
5x	50	8.5	1.2	41	3500	492	0.387	168	144
5x	70	10.2	1.4	48	4000	576	0.268	213	184
Multicores									
7x	1.5	1.4	0.8	16	310	192	12.1	19.5	17.5
7x	2.5	1.8	0.8	17	450	204	7.41	27	24
7x	4	2.3	1.0	19	650	228	4.61	36	32
7x	6	2.8	1.0	24	850	288	3.08	46	41
12x	1.5	1.4	0.8	19.5	420	234	12.1	19	17
12x	2.5	1.8	0.8	21	600	252	7.41	27	24
14x	1.5	1.4	0.8	20.5	470	246	12.1	19	17
14x	2.5	1.8	0.8	21.5	680	258	7.41	27	24
16x	1.5	1.4	0.8	21.5	520	258	12.1	19	17
16x	2.5	1.8	0.8	22.5	750	270	7.41	27	24
19x	1.5	1.4	0.8	22.5	570	270	12.1	19	17
19x	2.5	1.8	0.8	23.5	850	282	7.41	27	24
21x	1.5	1.4	0.8	23.5	650	282	12.1	19	17
21x	2.5	1.8	0.8	25	985	300	7.41	27	24
24x	1.5	1.4	0.8	25.5	760	306	12.1	19	17

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								Two loaded cores	3 loaded cores
(N°)	(mmq)	(mm)	(mm)	(mm)	(kg/km)	(mm)	(Ohm/km)	(A)	(A)
24x	2.5	1.8	0.8	27.5	1120	330	7.41	27	24
30x	1.5	1.4	0.8	26.5	880	318	12.1	19	17
30x	2.5	1.8	0.8	28.5	1300	342	7.41	27	24

*CPR Eca
According to DIN VDE 0298-4
1 ** The values of the current carrying capacity for all 1-wire cables are for the laying of two cables touch (2-loaded core) concentrated in the triangle (three loaded cores).