

# XGB 0,6/1kV UV Resistant

[B]CPR Cca-s1, d2, a1

Model Product: 487-488 - 20230728



Rigid wire red copper conductor class 1 (section < 10 mm<sup>2</sup>)  
 Stranded circular compacted copper conductors class 2 (section > 10 mm<sup>2</sup>)  
 XLPE Crosslinked polyethylene insulation (no dry cool).  
 halogen free  
 LSZH sheath.

## STANDARDS

NBN HD 604 5L NBN EN 61034-2  
 EN 50575:2014 + EN 50575/A1:2016 EN 50289-4-17

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

## COMMON FEATURES

Cables for indoor installation and for use on industrial sites too. and the upright columns of buildings. They can be fixed to walls without protection if conditions permit; in other cases, the cables will be protected in their path in horizontal and vertical. They can be buried in short lengths unsaturated water terrain with the appropriate mechanical protections. Can be laid underground with mechanical protection constructed from slabs, tiles, or bricks. 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.

UV resistant according to EN 50289-4-17 method A (720h)

## EMPLOYMENT

Minimum bending radius per D cable diameter (in mm): 6D

Maximum pulling stress: 50 N/mm<sup>2</sup>

POWER CABLES INSULATED IN CROSSLINKED POLYETHYLENE UNDER HALOGEN FREE SHEATH WITH RIGID RED COPPER CONDUCTOR UV RESISTANT

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: 0°C

Min. operating temperature (without mechanical shocks): -15°C

## CORE COLOURS

Multicores: HD 308

## SHEATH COLOUR

Green

## INK MARKING

METER YEAR GENERAL CAVI Cca-s1, d2, a1 XGB FORM. x SEZ. CEBEC 1503 BATCH

## NOTE

\* Not CEBEC marked



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## XGB

Cores number	Cross section	Approx cond. 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°)	(mmq)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
Single core									
1x	4	2.25	0.7	1.4	7.5	4.60	85	37	37
1x	6	3.05	0.7	1.4	8.1	3.08	110	48	47
1x	10	3.8	0.7	1.4	9.0	1.83	160	66	63
1x	16	4.7	0.7	1.4	10.1	1.15	235	88	82
1x	25	5.9	0.9	1.4	11.8	0.727	340	117	108
1x	35	7.1	0.9	1.4	13.1	0.524	435	144	132
1x	50	8.0	1.0	1.4	14.8	0.387	560	175	166
1x	70	9.7	1.1	1.4	16.7	0.268	775	222	204
1x	95	11.4	1.1	1.5	18.8	0.193	1024	269	242
1x	120	13.1	1.2	1.5	20.6	0.153	1355	312	274
1x	150	14.6	1.4	1.6	23.0	0.124	1640	355	324
1x	185	16.5	1.6	1.6	25.2	0.0991	2050	417	364
1x	240	18.5	1.7	1.7	28.2	0.0754	2590	490	427
1x	300	21.0	1.8	1.8	31.0	0.0601	3190	-	484
1x	400	23.5	2.0	2.0	35.1	0.0470	3999	-	564
1x	500	26.5	2.2	2.2	39.0	0.0366	5100	-	638
1x	630	31.2	2.4	2.4	44.0	0.0286	6150	-	728
Two cores									
2x	1.5	1.4	0.7	1.43	10.5	12.1	115	26	37
2x	2.5	1.8	0.7	1.43	11.5	7.41	145	36	48
2x	4	2.25	0.7	1.43	13.0	4.61	195	49	63
2x	6	3.05	0.7	1.43	14.0	3.08	265	63	80
2x	10	3.8	0.7	1.43	16.0	1.83	390	86	104
2x	16	4.7	0.7	1.43	18.5	1.15	560	115	136
2x	25	5.9	0.9	1.43	22.0	0.727	850	149	173
2x	35	7.1	0.9	1.43	24.5	0.524	1080	185	208
Three cores									
3x	1.5	1.4	0.7	1.43	11.0	12.1	130	23	31
3x	2.5	1.8	0.7	1.43	12.5	7.41	170	31	41
3x	4	2.25	0.7	1.43	13.5	4.61	230	42	53
3x	6	3.05	0.7	1.43	15.0	3.08	325	54	66
3x	10	3.8	0.7	1.43	17.0	1.83	485	75	87
3x	16	4.7	0.7	1.43	19.5	1.15	705	100	113
3x	25	5.9	0.9	1.43	23.5	0.727	1080	127	144



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(N°)	(mmq)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
3x	35	7.1	0.9	1.43	26.0	0.524	1390	158	174
3x	50	8.0	1.0	1.43	29.0	0.387	1840	192	206
3x	70*	9.6	1.1	1.52	34.0	0.268	2540	246	254
3x	95*	11.4	1.1	1.60	38.5	0.193	3430	298	301
3x	120*	13.1	1.2	1.69	42.5	0.153	4440	346	343
3x	150*	14.6	1.4	1.86	47.5	0.124	5380	-	350
3x	185*	16.5	1.6	1.94	53.0	0.0991	6920	-	360
3x	240*	18.4	1.7	2.11	59.5	0.0754	8420	-	390
3x	300*	21.21	1.8	2.28	66.0	0.06001	11300	-	420
Four cores									
4x	1.5	1.4	0.7	1.43	12.0	12.1	160	23	31
4x	2.5	1.8	0.7	1.43	13.0	7.41	205	31	41
4x	4	2.25	0.7	1.43	14.5	4.61	280	42	53
4x	6	3.05	0.7	1.43	16.0	3.08	390	54	66
4x	10	3.8	0.7	1.43	18.5	1.83	590	75	87
4x	16	4.7	0.7	1.43	21.0	1.15	900	100	113
4x	25	5.9	0.9	1.43	25.5	0.727	1415	127	144
4x	35	7.1	0.9	1.43	28.5	0.524	1850	158	174
4x	50	8.0	1.0	1.43	32.5	0.387	2460	192	188
4x	70*	9.6	1.1	1.52	37.5	0.268	3445	246	254
4x	95*	11.4	1.1	1.60	42.5	0.193	4700	298	301
4x	120*	13.1	1.2	1.69	47.5	0.153	6070	346	343
4x	150*	14.6	1.4	1.86	52.5	0.124	7950	-	350
4x	185*	16.5	1.6	1.94	59.0	0.0991	10050	-	360
4x	240*	18.4	1.7	2.11	66.5	0.0754	12750	-	390
4x	300*	21.1	1.8	2.28	73.5	0.0601	15800	-	420
4x	3x50+1x25*	8.0	1.0	1.52	31.5	0.387	2400	192	188
4x	3x70+1x35*	9.7	1.1	1.60	35.5	0.268	3200	195	190
4x	3x95+1x50*	11.4	1.1	1.80	40.3	0.193	4300	235	231
4x	3x120+1x70*	13.1	1.2	1.8	45.9	0.153	5500	268	265
4x	3x150+1x95*	14.6	1.4	1.8	51.3	0.124	6500	-	300
4x	3x185+1x95*	16.5	1.6	2.0	55.9	0.0991	7900	-	348
4x	3x240+1x150*	18.4	1.7	2.0	63.9	0.0754	10400	-	405
Five cores									
5x	1.5	1.4	0.7	1.43	13.0	12.1	180	23	31
5x	2.5	1.8	0.7	1.43	14.5	7.41	240	31	41



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(N°)	(mmq)	(mm)	(mm)	(mm)	(mm)	(Ohm/km)	(kg/km)	(A)	(A)
5x	4	2.25	0.7	1.43	16.0	4.61	335	42	53
5x	6	3.05	0.7	1.43	17.5	3.08	475	54	66
5x	10	3.8	0.7	1.43	20.0	1.83	720	75	87
5x	16	4.7	0.7	1.43	23.0	1.15	1060	100	113
5x	25	5.9	0.9	1.43	28.0	0.727	1645	127	144
5x	35*	7.1	0.9	1.43	31.0	0.524	2250	158	174
5x	50*	8.1	1.0	1.43	34.5	0.387	2950	192	206
5x	70*	9.7	1.1	1.43	41.5	0.268	4300	246	254
5x	95*	11.4	1.1	1.43	46.5	0.193	5710	298	301
Multicores									
7x	1.5	1.4	0.7	1.40	13.9	12.1	230	23	31
9x	1.5	1.4	0.7	1.40	16.5	12.1	330	23	31
10x	1.5	1.4	0.7	1.40	17.2	12.1	340	23	31
12x	1.5	1.4	0.7	1.40	17.6	12.1	370	23	31
14x	1.5	1.4	0.7	1.50	18.7	12.1	425	23	31
19x	1.5	1.4	0.7	1.50	20.6	12.1	528	23	31
24x	1.5	1.4	0.7	1.60	24.1	12.1	689	23	31
30x	1.5	1.4	0.7	1.70	25.6	12.1	799	23	31
37x	1.5	1.4	0.7	1.70	27.6	12.1	1200	23	31
40x	1.5	1.4	0.7	1.70	28.9	12.1	1290	23	31
7x	2.5	1.8	0.7	1.40	15.4	7.41	320	31	41
9x	2.5	1.8	0.7	1.50	18.5	7.41	480	31	41
10x	2.5	1.8	0.7	1.50	19.4	7.41	500	31	41
12x	2.5	1.8	0.7	1.50	20.0	7.41	600	31	41
14x	2.5	1.8	0.7	1.50	21.0	7.41	650	31	41
19x	2.5	1.8	0.7	1.60	23.5	7.41	850	31	41
24x	2.5	1.8	0.7	1.70	27.1	7.41	950	31	41
30x	2.5	1.8	0.7	1.80	28.9	7.41	1200	31	41
37x	2.5	1.8	0.7	1.80	31.1	7.41	1500	31	41
40x	2.5	1.8	0.7	1.80	35.6	7.41	1600	31	41
7x	4	2.25	0.7	1.50	20.5	4.61	469	42	53
9x	4	2.25	0.7	1.50	23.5	4.61	603	42	53
10x	4	2.25	0.7	1.60	24.9	4.61	670	42	53
12x	4	2.25	0.7	1.70	27.0	4.61	804	42	53
14x	4	2.25	0.7	1.80	30.2	4.61	938	42	53
19x	4	2.25	0.7	1.80	33.0	4.61	1273	42	53