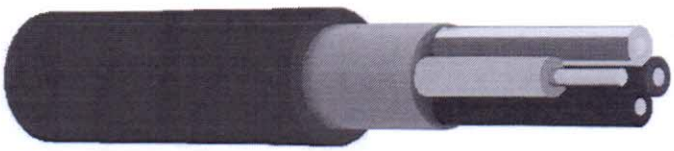
XGB-F2 0,6/1kV

HD 604 5-L
NBN IEC 502-NAD 2e 2003
NBN C30-004 F1/F2/SD/SA

Halogen- free low smoke power cables



CONSTRUCTION	
Conductors:	annealed copper solid class 1(RE), circular or circular compacted stranded conductor class 2 (RM) or stranded sector – shaped conductor class 2 (SM) acc. to EN 60228
Insulation:	cross-linked polyethylene XLPE type DIX1 acc. to HD 603-1
Inner covering:	filling compound
Sheath:	thermoplastic halogen - free compound

CHARACTERISTIC		
Colour of sheath:	green	
Core identification:		
	XGB-F2 with a green-yellow core	**XGB-F2 without a green-yellow core**
1-core:	green-yellow	black
2-core:	-	blue, brown
3-core:	green-yellow, blue, brown	brown, black, grey
3-core:*		blue, brown, black
4-core:	green-yellow, brown, black, grey	blue, brown, black, grey
4-core:*	green-yellow, blue, brown, black	
5-core:	green-yellow, blue, brown, black, grey	blue, brown, black, grey, black
7 and more:	green-yellow, other cores black with numbering	black with white numbering
* For certain applications only.		
Maximum conductor operating temperature:	+90°C	
Lowest ambient temperature for fixed installation:	-40°C	
Lowest installation temperature:	-5°C	
Maximum short-circuit conductor temperature:	+250°C	
Minimum bending radius:	15 x D single core cables, 12 x D multicore cables, D – overall diameter	
Max. permissible tensile stress with cable grip for Cu-conductor:	50 N/mm^2	

FIRE PERFORMANCE		
NBN C30-004:		
▪ **F1**	**Flame retardant**	EN 60332-1-2
▪ **F2**	**Flame retardant**	EN 60332-3-24
▪ **SD**	**Smoke density**	EN 61034-2: light transmittance values > 70%
▪ **SA**	**Gases evolved during combustion**	EN 50267-2-2: pH ≥ 4,3; EN 50267-2-3 conductivity ≤ 10 µS/mm
▪ **CPR – class reaction to fire (acc EN 50575):**		B2ca

XGB-F2 0,6/1kV JM-25-09-2018
Replace XGB-F2 0,6/1kV JM-16-04-2018

XGB-F2 0,6/1kV

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Number and cross-sectional area of conductor	Nominal thickness of insulation	Nominal thickness of sheath	Approximate overall diameter	Approximate net weight of cables	Maximum conductor resistance at temperature 20°C	CPR
n x mm²	*mm*	*mm*	*mm*	*kg/km*	*Ω/km*	
3x70SM	1,1	1,9	28,5	2340	0,268	B2ca-s1a,d0,a1
3x95SM	1,1	2	31,6	3130	0,193	B2ca-s1a,d0,a1
3x120SM	1,2	2,1	34,7	3893	0,153	B2ca-s1a,d0,a1
3x150SM	1,4	2,3	39	4825	0,124	B2ca-s1a,d0,a1
3x185SM	1,6	2,4	43	5973	0,0991	B2ca-s1a,d0,a1
3x240SM	1,7	2,6	48,3	7778	0,0754	-
3x300SM	1,8	2,8	52,9	9614	0,0601	-
4x1,5RE	0,7	1,4	10,5	170	12,1	B2ca-s1a,d0,a1
4x2,5RE	0,7	1,4	11,4	220	7,41	B2ca-s1b,d0,a1
4x4RE	0,7	1,4	12,5	293	4,61	B2ca-s1b,d0,a1
4x6RE	0,7	1,4	13,7	385	3,08	B2ca-s1b,d0,a1
4x10RE	0,7	1,5	15,8	572	1,83	B2ca-s1b,d0,a1
4x16RM	0,7	1,5	19	864	1,15	B2ca-s1b,d0,a1
4x25RM	0,9	1,7	24,3	1364	0,727	B2ca-s1b,d0,a1
4x35RM	0,9	1,8	27	1807	0,524	B2ca-s1b,d0,a1
4x50SM	1	1,9	27,7	2162	0,387	B2ca-s1a,d0,a1
4x70SM	1,1	2	32,2	3051	0,268	B2ca-s1a,d0,a1
4x95SM	1,1	2,1	35,8	4096	0,193	B2ca-s1a,d0,a1
4x120SM	1,2	2,3	40,1	5145	0,153	B2ca-s1a,d0,a1
4x150SM	1,4	2,4	44,2	6307	0,124	B2ca-s1a,d0,a1
4x185SM	1,6	2,6	48,8	7830	0,0991	B2ca-s1a,d0,a1
4x240SM	1,7	2,8	54,9	10202	0,0754	B2ca-s1a,d0,a1
4x300SM	1,8	3	59,9	12621	0,0601	B2ca-s1a,d0,a1
3x25RM+16RM	0,9/0,7	1,6	23	1252	0,727/1,15	-
3x35RM+16RM	0,9/0,7	1,7	25,1	1599	0,524/1,15	-
3x50SM+25RM	1,0/0,9	1,8	27,5	1944	0,387/0,727	-
3x70SM+35RM	1,1/0,9	1,9	32	2727	0,268/0,524	-
3x95SM+50SM	1,1/1,0	2,1	34,6	3643	0,193/0,387	B2ca-s1a,d0,a1
3x120SM+70SM	1,2/1,1	2,2	37,8	4600	0,153/0,268	B2ca-s1a,d0,a1
3x150SM+70SM	1,4/1,1	2,3	43,6	5676	0,124/0,268	B2ca-s1a,d0,a1
3x185SM+95SM	1,6/1,1	2,5	46,6	6937	0,0991/0,193	B2ca-s1a,d0,a1
3x240SM+120SM	1,7/1,2	2,7	53,6	9148	0,0754/0153	B2ca-s1a,d0,a1
3x300SM+150SM	1,8/1,4	2,9	59,6	11381	0,0601/0,124	B2ca-s1a,d0,a1
5x1,5RE	0,7	1,4	11,3	198	12,1	B2ca-s1b,d0,a1
5x2,5RE	0,7	1,4	12,3	260	7,41	B2ca-s1b,d0,a1
5x4RE	0,7	1,4	13,5	348	4,61	B2ca-s1b,d0,a1
5x6RE	0,7	1,4	14,8	461	3,08	B2ca-s1b,d0,a1
5x10RE	0,7	1,5	17,2	690	1,83	B2ca-s1b,d0,a1

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Replace XGB-F2 0,6/1kV JM-16-04-2018