



0,6/1KV, shielded, CPR B2ca

**APPLICATION**

shielded halogen-free and environmentally power, control and connecting cable in electrical facilities, in fire vulnerable areas and facilities with high concentration of people and property values, for fixed laying and flexible applications without tensile stress and without defined cable routing. Suitable for use in dry and humid rooms. Suitable for use in dry and damp rooms as well as outdoors, but not for direct burial.

**SPECIAL FEATURES**

- FRNC (Flame Retardant, Non Corrosive)
- LSF 0H ( Low smoke in fume, zero halogen)
- improved behaviour in case of fire (acc. to IEC 60332-3-25 Cat. A)
- recommended for EMC-applications
- UV-resistant outer sheath

**REMARKS**

- RoHS compliant
- compliant with the 2014/35/EU Directive ("Low Voltage Directive") CE
- LABS-free/silicone-free (during production)

**PRODUCT DETAILS****DESIGN**

Conductor material	bare copper strand
Conductor class	acc. to IEC 60228 cl. 5
Core insulation	special halogen-free compound
Core identification	acc. to DIN VDE 0293 black cores with white numerals; G = GNYE
Stranding	stranded in layers
Overall shield	copper braid tinned; coverage approx. 85 %
Outer sheath material	special halogen-free compound
Sheath colour	black, RAL 9005

**ELECTRICAL PROPERTIES**

Rated voltage AC IEC	U <sub>0</sub> /U: 600/1000 V
Testing voltage	6 kV
Conductor resistance	acc. to IEC 60228 cl. 5
Insulation resistance	min. 20 MΩ x km
Current carrying capacity	acc. to DIN VDE, see technical Guidelines

**MECHANICAL & DYNAMIC PROPERTIES**

Min. bending radius fixed	4 x d
Min. bending radius moved	12,5 x d

**THERMAL PROPERTIES**

Operat. temp. fixed min./max. [°C]	-40 °C / +70 °C
Operat. temp. moved min./max [°C]	-15 °C / +70 °C

**PROPERTIES IN CASE OF FIRE**

Halogen-free	acc. to IEC 60754-1
Smoke density	acc. to IEC 61034-2
Corrodibility	acc. to IEC 60754-2
Burning behavior	halogen-free and flame-retardant acc. to IEC 60332-1-2 and IEC 60332-3-24 Cat. C resp. IEC 60332-3-25 Cat. A
CPR - declared Performance	B2ca - s1a, d1, a1

**STANDARDS & APPROVALS**

Standard	similar to EN 50525-2-51
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**ITEM OVERVIEW**
**FLAME-JZ/OZ-H 0,6/1kV - B2ca**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
T40000603	2 X 0,75	6,2	20,0	60,0
T40000604	2 X 1	6,5	39,0	79,0
T40000605	3 G 1	6,8	51,0	88,0
T40000606	4 G 1	7,4	63,0	106,0
T40000607	5 G 1	8,1	76,0	124,0
T40000608	7 G 1	8,8	97,0	155,0
T40000609	12 G 1	11,5	169,0	250,0
T40000610	18 G 1	13,8	283,0	368,0
T40000611	25 G 1	16,1	315,0	493,0
T40000612	2 X 1,5	7,1	54,0	91,0
T40000613	3 G 1,5	7,5	69,0	112,0
T40000614	4 G 1,5	8,2	86,0	141,0
T40000615	5 G 1,5	8,9	105,0	161,0
T40000616	7 G 1,5	9,9	138,0	206,0
T40000617	12 G 1,5	13,0	239,0	355,0
T40000618	18 G 1,5	15,5	355,0	517,0
T40000619	25 G 1,5	18,1	475,0	705,0
T40000620	3 G 2,5	9,0	106,0	157,0
T40000621	4 G 2,5	9,9	134,0	201,0
T40000622	5 G 2,5	11,0	158,0	248,0
T40000623	7 G 2,5	11,9	226,0	313,0
T40000624	12 G 2,5	15,9	383,0	524,0
T40000625	3 G 4	10,7	156,0	231,0
T40000626	4 G 4	11,7	212,0	291,0
T40000627	5 G 4	12,9	250,0	361,0
T40000628	7 G 4	14,2	344,0	468,0
T40000629	4 G 6	13,9	299,0	437,0
T40000630	5 G 6	15,4	355,0	510,0
T40000631	7 G 6	16,9	480,0	662,0
T40000632	4 G 10	17,4	488,0	685,0
T40000633	5 G 10	19,5	582,0	824,0
T40000634	7 G 10	21,5	753,0	1.067,0
T40000635	4 G 16	20,6	705,0	972,0
T40000636	5 G 16	22,7	885,0	1.287,0
T40000637	4 G 25	25,3	1.081,0	1.443,0
T40000638	5 G 25	28,3	1.330,0	1.820,0
T40000639	4 G 35	29,4	1.487,0	1.986,0
T40000640	5 G 35	32,8	1.794,0	2.494,0
T40000641	4 G 50	35,9	2.136,0	2.774,0
T40000642	5 G 50	40,0	2.443,0	3.492,0