



# CPR / BauPVO

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# Construction Products Regulation (CPR) for cables

TKD continuously adapts its cable portfolio to the requirements of the Construction Products Regulation (CPR). From 1 July 2017, all relevant products will have the required tests and certificates in accordance with the regulations of the CPR.

The European Construction Products Regulation (CPR), also known as the Construction Products Regulation (CPR), sets out harmonized conditions for the marketing of construction products, including cables and wires. Since July 1, 2017, relevant products must present the required tests and certificates in accordance with the CPR and CPR regulations.

TKD continuously categorizes its cable types to determine which are to be regarded as construction products and which reaction to fire classes should be specified. Classification into reaction to fire classes A to E requires the involvement of a notified body.

The EN 50575 standard applies to power, control and communication cables that are permanently integrated into structures and contribute to the functionality of the building. However, elevator cables, cables within machines and cables for industrial systems are excluded.

Cables with insulation and functional integrity (e.g. NHXH E30/E90) will be dealt with in future harmonized standards. Classification in accordance with the CPR is only possible once corresponding harmonized European standards are available.

A cable is considered a construction product within the meaning of the CPR if it cannot be removed from the building without construction work, for example in the case of cables laid under plaster. Cables with plug connections or simple screw or clamp connections (e.g. lamp cables) are not covered by the CPR.

## TKD Product Overview

TKD has decades of experience in design and application technology, combined with a strong awareness of quality and environment. This gives our customers the security of receiving innovative and high-quality products, even for the most demanding requirements.








***Around the world, our team members work urgently to provide connectivity solutions and support, giving our customers what they need, when they need it.***



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## Fire protection classes

The European Union has defined six main fire protection classes for cables, from Aca (incombustible) to Fca (highly flammable). In addition, there are classifications for smoke development (s), acidity or freedom from halogen (a) and burning droplets (d).

Aca: Non-combustible cables; no contribution to the spread of fire.

B1ca: Very low flammability. Minimal contribution to the spread of fire. Suitable for areas with the highest fire protection requirements.

B2ca: Low flammability. Low contribution to the spread of fire.

Cca: Moderate flammability. Meets basic fire protection requirements.

Dca: Increased contribution to the spread of fire.

Eca: Basic fire safety requirements.

Fca: No tested requirements for fire behavior. Higher risk in case of fire.

### Additional classification

In addition to the main classes, specific properties of the cable are evaluated in the event of fire. These additional classifications provide detailed information on the behavior of the cable with regard to smoke development, drop formation and acid release.

### Smoke development (s):

s1: Very low smoke development - high visibility and reduced health risk.

s2: Medium smoke development - acceptable visibility.

s3: High smoke development - rapid impairment of visibility and increased health risks.

### Droplet formation (d):

d0: No burning droplets or particles - minimal risk of fire spreading due to falling parts.

d1: Few burning droplets or particles - limited risk.

d2: Many burning droplets or particles - increased risk of secondary fires.

### Acid development (a):

a1: Very low acid development - low corrosion and pollutant load.

a2: Moderate acid evolution - acceptable environmental impact.

a3: High acid development - increased corrosion and environmental pollution.

## CPR Selection guide

The selection guide enables you to choose the right cable according to the main fire protection class and the additional classifications of smoke, droplet and acid development.

Product	Shielding	Fire protection classes				Additional classification								
						Smoke development			Droplet formation			Acid development		
		B2ca	Cca	Dca	Eca	s1	s2	s3	d0	d1	d2	a1	a2	a3
FLAME -JZ-H FRNC <b>300/ 500V</b> 01.03.01	No			X			X				X	X		
FLAME -JZ-CH FRNC <b>300/ 500V</b> 01.03.02	Yes			X			X				X	X		
FLAME-JZ/OZ-H FRNC <b>0,6/1kV</b> 01.03.01.04	No	X	X			X				X		X		
FLAME-JZ/OZ-CH FRNC <b>0,6/1kV</b> 01.03.02.04	Yes	X				X				X		X		
HH- JZ/OZ <b>300/500V</b> 6087	No		X			X					X	X		
HCH-JZ/OZ <b>300/500V</b> 6060/6064	Yes	X				X				X		X		





300/500V, unshielded, CPR Dca

**APPLICATION**

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. Outdoor use only with UV-protection, no laying underground.

**SPECIAL FEATURES**

- FRNC (Flame Retardant, Non Corrosive)
- LSF 0H ( Low smoke in fume, zero halogen)

**REMARKS**

- RoHS compliant
- Compliant with the 2014/35/EU Directive ("Low Voltage Directive") CE
- LABS-free/silicone-free (during production)
- Special versions e.g. FLAME-JZ/OZ-Hö FRNC with increased oil resistance, other dimensions, cross-sections, core and sheath colors are available on request

**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 = with GNYE
Stranding	stranded in layers
Outer sheath material	special halogen-free compound
Sheath colour	grey, RAL 7001

**ELECTRICAL PROPERTIES**

Rated voltage AC IEC	U <sub>o</sub> /U: 300/500 V
Testing voltage	3 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	15 x d

**THERMAL PROPERTIES**

Operat. temp. fixed min./max. [°C]	-40 °C / +70 °C
Operat. temp. moved min/max [°C]	-5 °C / +70 °C

**PROPERTIES IN CASE OF FIRE**

Halogen-free

halogen-free acc. to IEC 60754-1

Smoke density

acc. to IEC 61034-1 and 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 Kat. C

**STANDARDS & APPROVALS**

Standard

similar to EN 50525-2-51

**ITEM OVERVIEW**
**FLAME-JZ/OZ-H FRNC**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003030	2 X 0,5	5,1	9,6	36,0
1002935	3 G 0,5	5,3	14,4	45,0
1004130	3 X 0,5	5,3	14,4	45,0
1003595	4 G 0,5	5,7	19,2	55,0
1003907	4 X 0,5	5,7	19,2	55,0
1002639	5 G 0,5	6,3	24,0	66,0
1004055	5 X 0,5	6,3	24,0	66,0
1003596	7 G 0,5	6,9	33,6	82,0
1003069	10 G 0,5	8,8	48,0	161,0
1003597	12 G 0,5	9,2	57,6	139,0
1003598	18 G 0,5	11,0	86,4	199,0
1003070	25 G 0,5	13,0	120,0	270,0
1001876	2 X 0,75	5,4	14,4	43,0
1001678	3 G 0,75	5,7	21,6	52,0
1001919	4 G 0,75	6,2	28,8	66,0
1004917	4 X 0,75	6,2	29,0	69,0
1001681	5 G 0,75	6,9	36,0	80,0
1003174	5 X 0,75	6,9	36,0	80,0
1002442	7 G 0,75	7,7	50,4	104,0
1001680	12 G 0,75	10,0	86,4	177,0
1003948	12 X 0,75	10,0	86,4	177,0
1005173	16 G 0,75	11,4	115,2	230,0
1001907	18 G 0,75	12,3	130,0	262,0
1002445	25 G 0,75	14,2	180,0	356,0
1002859	2 X 1	5,9	19,2	50,0
1000760	3 G 1	6,1	28,8	64,0
1001019	3 X 1	6,1	28,8	64,0
1000761	4 G 1	6,7	38,4	79,0
1000764	5 G 1	7,4	48,0	95,0
1005321	6 X 1	8,1 +/- 0,3	58,0	110,0
1001918	7 G 1	8,2	67,2	123,0
1003519	8 G 1	9,4	76,8	226,0
1004089	10 G 1	10,0	96,0	179,2
1002857	12 G 1	11,0	115,0	209,0
1002786	18 G 1	13,0	173,0	313,0
1005174	18 X 1	13,0	173,0	313,0
1003728	20 G 1	13,5	192,0	476,0
1002860	25 G 1	15,2	240,0	432,0
0500001	34 G 1	17,5	326,0	581,0
1005158	41 G 1	19,5	394,0	581,0
1001926	2 X 1,5	6,3	28,8	68,0
1001683	3 G 1,5	6,7	43,2	84,0
1000762	4 G 1,5	7,5	57,6	108,0
1000765	5 G 1,5	8,2	72,0	126,0
1001094	6 G 1,5	9,2	86,4	152,0
1000766	7 G 1,5	9,2	101,0	161,0
1001097	8 G 1,5	9,9	115,0	182,4
1002613	9 G 1,5	11,9	130,0	310,0
1003908	10 G 1,5	12,1	144,0	272,0
1000758	12 G 1,5	12,1	173,0	298,0
1001012	14 G 1,5	12,7	201,6	450,0
1001695	18 G 1,5	14,5	259,0	402,0
1001694	25 G 1,5	17,3	360,0	594,0
1002310	34 G 1,5	19,8	490,0	808,0

## FLAME-JZ/OZ-H FRNC

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1002638	37 G 1,5	20,0	533,0	858,0
1003599	50 G 1,5	24,2	720,0	1.277,0
1003600	61 G 1,5	26,0	878,0	1.460,0
1003601	2 X 2,5	8,0	48,0	110,0
1002637	3 G 2,5	8,3	72,0	131,0
1001682	4 G 2,5	9,3	96,0	167,0
1001693	5 G 2,5	10,2	120,0	204,0
1002708	7 G 2,5	11,4	168,0	262,0
1003189	12 G 2,5	15,3	288,0	475,0
1001853	14 G 2,5	16,9	336,0	640,0
1003232	18 G 2,5	18,2	432,0	692,0
1003602	25 G 2,5	21,6	600,0	952,0
1003603	3 G 4	10,0	115,0	194,0
1000763	4 G 4	11,0	154,0	251,0
1001692	5 G 4	12,3	192,0	331,0
1003233	7 G 4	13,6	269,0	407,0
1003604	12 G 4	18,3	461,0	722,0
1003605	3 G 6	11,7	173,0	303,0
1002698	4 G 6	13,0	230,0	388,0
1002703	5 G 6	14,5	288,0	480,0
1003606	7 G 6	16,0	403,0	626,0
1003607	3 G 10	15,9	288,0	482,0
1002699	4 G 10	16,8	384,0	616,0
1003252	5 G 10	18,7	480,0	766,0
1003859	7 G 10	21,3	672,0	999,0
1002964	4 G 16	20,6	614,0	908,0
1002861	5 G 16	22,5	768,0	1.134,0
1003608	7 G 16	25,2	1.075,0	1.485,0
1002716	4 G 25	25,3	960,0	1.538,0
1003609	5 G 25	27,9	1.200,0	1.911,0
1003185	4 G 35	28,5	1.344,0	2.086,0
1003068	5 G 35	32,3	1.680,0	2.542,0
1003610	4 G 50	34,2	1.920,0	2.746,0
1003611	5 G 50	37,2	2.400,0	3.800,0
1003612	4 G 70	41,2	2.688,0	4.092,0
1003613	5 G 70	46,0	3.360,0	4.900,0
1003250	4 G 95	46,0	3.648,0	5.400,0
1003614	5 G 95	50,5	4.560,0	6.600,0
1003615	4 G 120	50,3	4.608,0	6.994,0



300/500V, shielded, CPR Dca

**APPLICATION**

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. Outdoor use only with UV-protection, no laying underground.

**SPECIAL FEATURES**

- LABS-free (during production)
- FRNC (Flame Retardant, Non Corrosive)
- LSF 0H ( Low smoke in fume, zero halogen)
- recommended for EMC-applications

**REMARKS**

- RoHS compliant
- compliant with 2014/35/EU Directive ("Low Voltage Directive") CE
- Alternatively available: FLAME-JZ-CHö FRNC with increased oil resistance
- Special versions, other dimensions, cross-sections, core and sheath colors are available on request

**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 with GNYE from 3 cores
Stranding	stranded in layers
Overall shield	copper braid tinned; coverage approx. 85 %
Outer sheath material	special halogen-free compound
Sheath colour	grey, RAL 7001

**ELECTRICAL PROPERTIES**

Rated voltage AC IEC	U <sub>0</sub> /U: 300/500 V
Testing voltage	3 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	6 x d
Min. bending radius moved	15 x d

**THERMAL PROPERTIES**

Operat. temp. fixed min./max. [°C]	-40 °C / +70 °C
Operat. temp. moved min/max [°C]	- 5 °C / +70 °C

**PROPERTIES IN CASE OF FIRE**

Halogen-free

halogen-free acc. to IEC 60754-1

Smoke density

acc. to IEC 61034-1 and 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 Kat. C

**STANDARDS & APPROVALS**

Standard

similar to EN 50525-2-51

**ITEM OVERVIEW**
**FLAME-JZ/OZ-CH FRNC**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003616	2 X 0,5	5,7	36,0	44,0
1002754	3 G 0,5	6,0	43,0	52,0
1002755	4 G 0,5	6,3	49,0	62,0
1003990	4 X 0,5	6,3	49,0	62,0
1002126	5 G 0,5	7,0	57,0	75,0
1002923	7 G 0,5	7,5	69,0	98,0
1003617	12 G 0,5	9,9	104,0	160,0
1003086	18 G 0,5	11,5	141,0	222,0
1003618	25 G 0,5	13,4	211,0	311,0
1003394	34 G 0,5	15,4	287,0	398,0
1003395	42 G 0,5	17,0	360,0	450,0
1002753	2 X 0,75	6,0	43,0	58,0
1002872	3 G 0,75	6,3	52,0	68,0
1003188	4 G 0,75	7,0	61,0	78,0
1002848	5 G 0,75	7,5	72,0	97,0
1003027	7 G 0,75	8,3	89,0	129,0
1003619	12 G 0,75	10,6	138,0	203,0
1003061	18 G 0,75	12,7	211,0	290,0
1003229	25 G 0,75	14,8	280,0	413,0
1004106	34 G 0,75	16,7	370,0	510,0
1003177	2 X 1	6,3	51,0	66,0
1002832	3 G 1	6,8	62,0	80,0
1005331	4 X 1	8,9	74,0	100,0
1003204	4 G 1	7,3	74,0	100,0
1001822	5 G 1	8,0	88,0	130,0
1001845	7 G 1	8,7	112,0	155,0
1004105	10 G 1	11,1	158,0	216,0
1002968	12 G 1	11,4	185,0	245,0
1003620	18 G 1	13,6	268,0	368,0
1003621	25 G 1	15,9	354,0	493,0
1003518	2 X 1,5	7,0	65,0	88,0
1001696	3 G 1,5	7,3	82,0	99,0
1000656	4 G 1,5	8,2	100,0	125,0
1003622	5 G 1,5	8,9	119,0	158,0
1001101	6 G 1,5	9,6	136,0	160,0
1003192	7 G 1,5	9,8	154,0	210,0
1001104	8 G 1,5	11,2	191,0	215,0
1001106	10 G 1,5	12,1	215,0	255,0
1003194	12 G 1,5	12,8	268,0	340,0
1003623	18 G 1,5	15,4	373,0	480,0
1003624	25 G 1,5	17,7	530,0	668,0
1003121	2 X 2,5	8,3	96,0	121,0
1003024	3 G 2,5	8,9	118,0	157,0
1002672	4 G 2,5	9,9	147,0	196,0
1003258	5 G 2,5	10,8	176,0	235,0
1003625	7 G 2,5	11,9	253,0	311,0
1003626	12 G 2,5	16,0	385,0	500,0
1003191	3 G 4	10,5	178,0	222,0
1002480	4 G 4	11,6	248,0	291,0
1002924	5 G 4	12,9	269,0	361,0
1003627	7 G 4	14,4	371,0	468,0
1003628	3 G 6	12,3	240,0	318,0

**FLAME-JZ/OZ-CH FRNC**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
1003115	4 G 6	13,8	343,0	437,0
1000657	5 G 6	15,4	441,0	510,0
1003629	7 G 6	17,0	510,0	670,0
1003630	3 G 10	15,6	350,0	495,0
1002590	4 G 10	17,5	535,0	685,0
1003631	5 G 10	19,9	592,0	824,0
1003632	7 G 10	21,4	820,0	1.200,0
1003117	4 G 16	20,7	800,0	972,0
1003633	5 G 16	23,2	1.050,0	1.293,0
1003634	7 G 16	24,8	1.470,0	1.730,0
1003114	4 G 25	26,5	1.075,0	1.591,0
1003635	5 G 25	28,8	1.446,0	1.971,0
1003072	4 G 35	29,8	1.690,0	2.264,0
1003636	5 G 35	33,5	1.930,0	2.837,0
1003637	4 G 50	35,9	2.315,0	3.162,0
1003638	5 G 50	40,0	2.694,0	4.122,0
1003639	4 G 70	41,0	3.020,0	4.259,0
1003640	5 G 70	46,3	3.696,0	5.861,0
1003641	4 G 95	48,9	4.013,0	6.270,0
1003642	5 G 95	53,0	5.016,0	7.840,0
1003643	4 G 120	54,0	5.067,0	7.981,0



0.6/1KV, unshielded, CPR Cca oder B2ca



## APPLICATION

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)
- 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
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	Cca / B2ca - s1a, d1, a1

**CHEMICAL RESISTANCE & OTHER PROPERTIES**

UV resistance	yes
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**STANDARDS & APPROVALS**

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

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
T40000557	2 X 0,75	5,4	14,4	47,0
T40000558	4 G 0,75	6,2	28,8	69,0
T40000559	2 X 1	5,7	19,2	55,0
T40000560	3 G 1	6,0	28,8	67,0
T40000561	4 G 1	6,6	38,4	83,0
T40000562	5 G 1	7,2	48,0	100,0
T40000567	2 X 1,5	6,3	28,8	72,0
T40000568	3 G 1,5	6,7	43,2	88,0
T40000569	4 G 1,5	7,3	57,6	110,0
T40000570	5 G 1,5	8,1	72,0	135,0
T40000575	2 X 2,5	7,6	48,0	110,0
T40000576	3 G 2,5	8,1	72,0	137,0
T40000577	4 G 2,5	8,9	96,0	174,0
T40000578	5 G 2,5	10,0	120,0	217,0
T40000581	3 G 4	9,9	115,2	213,0
T40000582	4 G 4	10,8	153,6	267,0
T40000583	5 G 4	12,1	192,0	292,0
T40000585	4 G 6	13,0	230,4	388,0
T40000586	5 G 6	14,5	288,0	480,0
T40000588	4 G 10	16,2	384,0	616,0
T40000589	5 G 10	18,1	480,0	766,0
T40000591	4 G 16	18,9	614,4	908,0
T40000592	5 G 16	21,2	768,0	1.134,0
T40000593	4 G 25	23,6	960,0	1.411,0

**FLAME-JZ/OZ 0,6/1kV - Cca**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
T40000563	7 G 1	8,0	67,2	130,0
T40000564	12 G 1	10,6	115,2	212,0
T40000565	18 G 1	12,7	172,8	314,0
T40000566	25 G 1	15,3	240,0	429,0
T40000571	7 G 1,5	8,9	100,8	174,0
T40000572	12 G 1,5	12,0	172,8	289,0
T40000573	18 G 1,5	14,4	259,2	433,0
T40000574	25 G 1,5	17,4	360,0	596,0
T40000579	7 G 2,5	11,1	168,0	283,0
T40000580	12 G 2,5	14,9	288,0	467,0

**FLAME-JZ/OZ 0,6/1kV - Cca**

Item no. [TKD]	Dimension	Outer-Ø [mm]	Cu Index [kg/km]	Weight [kg/km]
T40000584	7 G 4	13,4	252,0	432,0
T40000587	7 G 6	16,0	403,2	626,0
T40000590	7 G 10	20,0	672,0	999,0



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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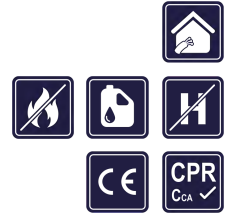
**ITEM OVERVIEW**
**FLAME-JZ/OZ-H 0,6/1kV - B2ca**

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



## USE OF CABLE

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. Outdoor use only with UV-protection, no laying underground.



## SPECIAL FEATURES

- FRNC (Flame Retardant, Non Corrosive)
- LSF OH ( Low smoke in fume, zero halogen)
- improved behaviour in case of fire (acc. to IEC 60332-3-25 Cat. A)

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)

## PRODUCT INFORMATION

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
Outer sheath:	Special halogen-free compound
Sheath colour:	Grey, RAL 7001
Rated voltage:	Uo/U: 300/500 V
Testing voltage:	3 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
Min. bending radius fixed:	4 x d
Min. bending radius moved:	15 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	-15 °C / +70 °C
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
Standard:	Similar to EN 50575:2014 + a1:2016

## ITEM OVERVIEW

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1005680	2 X 0,5	5,0	9,60	34,00	grey	V0: HH-JZ/OZ Cca
JOB_180303	3 G 0,5	5,3	14,40	41,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005682	3 X 0,5	5,3	14,40	41,00	grey	V0: HH-JZ/OZ Cca
JOB_180304	4 G 0,5	5,7	19,20	50,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005684	4 X 0,5	5,7	19,20	50,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005685	5 G 0,5	6,3	24,00	63,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005686	5 X 0,5	6,3	24,00	63,00	grey	V0: HH-JZ/OZ Cca
JOB_180307	7 G 0,5	6,8	33,60	78,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005688	7 X 0,5	6,8	33,60	78,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005689	12 G 0,5	9,1	57,60	139,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005691	18 G 0,5	10,8	86,40	199,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005692	25 G 0,5	12,5	120,00	269,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005693	34 G 0,5	14,9	163,00	377,00	grey	V0: HH-JZ/OZ Cca

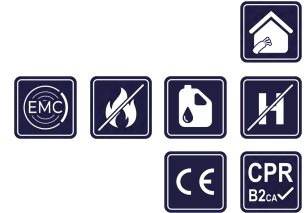
Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_180402	2 X 0,75	5,4	14,40	42,00	grey	V0: HH-JZ/OZ Cca
JOB_180403	3 G 0,75	5,7	21,60	51,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005696	3 X 0,75	5,7	21,60	51,00	grey	V0: HH-JZ/OZ Cca
JOB_180404	4 G 0,75	6,2	28,80	66,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005698	4 X 0,75	6,2	28,80	66,00	grey	V0: HH-JZ/OZ Cca
JOB_180405	5 G 0,75	6,8	36,00	80,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005700	5 X 0,75	6,8	36,00	80,00	grey	V0: HH-JZ/OZ Cca
JOB_180407	7 G 0,75	7,6	50,40	104,00	grey	V0: HH-JZ/OZ Cca
JOB_180410	7 G 0,75	7,6	50,40	104,00		V0: HH-JZ/OZ Cca
JOB_T1005702	7 X 0,75	7,6	50,40	104,00	grey	V0: HH-JZ/OZ Cca
JOB_180412	12 G 0,75	9,9	86,40	177,00	grey	V0: HH-JZ/OZ Cca
JOB_180418	18 G 0,75	12,0	130,00	261,00	grey	V0: HH-JZ/OZ Cca
JOB_180425	25 G 0,75	13,9	180,00	354,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005706	34 G 0,75	16,5	245,00	493,00	grey	V0: HH-JZ/OZ Cca
JOB_180952	2 X 1	5,7	19,20	50,00		V0: HH-JZ/OZ Cca
JOB_180502	2 X 1	5,7	19,20	50,00	grey	V0: HH-JZ/OZ Cca
JOB_180503	3 G 1	6,1	28,80	64,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005709	3 X 1	6,1	28,80	64,00	grey	V0: HH-JZ/OZ Cca
JOB_180953	3 X 1	6,1	28,80	64,00		V0: HH-JZ/OZ Cca
JOB_180504	4 G 1	6,6	38,40	78,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005711	4 X 1	6,6	38,40	78,00	grey	V0: HH-JZ/OZ Cca
JOB_180506	6 G 1	8,1	58,00	114,00		V0: HH-JZ/OZ Cca
JOB_180505	5 G 1	7,2	48,00	95,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005713	5 X 1	7,2	48,00	95,00	grey	V0: HH-JZ/OZ Cca
JOB_180955	5 X 1	7,2	48,00	95,00		V0: HH-JZ/OZ Cca
JOB_180507	7 G 1	8,0	67,20	124,00	grey	V0: HH-JZ/OZ Cca
JOB_180508	8 G 1	9,4	77,00	157,00		V0: HH-JZ/OZ Cca
JOB_180510	10 G 1	10,4	96,00	187,00		V0: HH-JZ/OZ Cca
JOB_T1005715	7 X 1	8,0	67,20	124,00	grey	V0: HH-JZ/OZ Cca
JOB_180957	7 X 1	8,0	67,20	124,00		V0: HH-JZ/OZ Cca
JOB_180512	12 G 1	10,7	115,00	209,00	grey	V0: HH-JZ/OZ Cca
JOB_180518	18 G 1	12,7	173,00	313,00	grey	V0: HH-JZ/OZ Cca
JOB_180525	25 G 1	14,9	240,00	433,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005719	34 G 1	17,7	326,00	601,00	grey	V0: HH-JZ/OZ Cca
JOB_180602	2 X 1,5	6,3	28,80	67,00	grey	V0: HH-JZ/OZ Cca
JOB_180603	3 G 1,5	6,7	43,20	83,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005722	3 X 1,5	6,7	43,20	83,00	grey	V0: HH-JZ/OZ Cca
JOB_180604	4 G 1,5	7,5	57,60	107,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005724	4 X 1,5	7,5	57,60	107,00	grey	V0: HH-JZ/OZ Cca
JOB_180605	5 G 1,5	8,2	72,00	131,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005726	5 X 1,5	8,2	72,00	131,00	grey	V0: HH-JZ/OZ Cca
JOB_180610	10 G 1,5	11,6	144,00	245,00		V0: HH-JZ/OZ Cca
JOB_180607	7 G 1,5	9,1	101,00	170,00	grey	V0: HH-JZ/OZ Cca

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1005728	7 X 1,5	9,1	101,00	170,00	grey	V0: HH-JZ/OZ Cca
JOB_180612	12 G 1,5	12,1	173,00	297,00	grey	V0: HH-JZ/OZ Cca
JOB_180618	18 G 1,5	14,4	259,00	428,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005731	25 G 1,5	16,8	360,00	590,00	grey	V0: HH-JZ/OZ Cca
JOB_180634	34 G 1,5	20,0	490,00	817,00	grey	V0: HH-JZ/OZ Cca
JOB_180702	2 X 2,5	7,7	48,00	104,00	grey	V0: HH-JZ/OZ Cca
JOB_180703	3 G 2,5	8,2	72,00	130,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005735	3 X 2,5	8,2	72,00	130,00	grey	V0: HH-JZ/OZ Cca
JOB_180704	4 G 2,5	9,1	96,00	166,00	grey	V0: HH-JZ/OZ Cca
JOB_180705	5 G 2,5	10,0	120,00	204,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005738	7 G 2,5	11,1	168,00	265,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005739	12 G 2,5	15,0	288,00	470,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005740	18 G 2,5	17,9	432,00	687,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005741	25 G 2,5	20,9	600,00	943,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005742	34 G 2,5	24,9	816,00	1312,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005743	2 X 4	9,2	77,00	153,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005744	3 G 4	9,7	115,00	194,00	grey	V0: HH-JZ/OZ Cca
JOB_180804	4 G 4	10,9	154,00	248,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005746	5 G 4	12,1	192,00	310,00	grey	V0: HH-JZ/OZ Cca
JOB_180807	7 G 4	13,4	269,00	404,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005748	2 X 6	10,8	115,00	220,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005749	3 G 6	11,5	173,00	220,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005750	4 G 6	12,8	230,00	358,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005751	5 G 6	14,3	288,00	448,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005752	7 G 6	15,9	403,00	584,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005754	3 G 10	14,7	288,00	452,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005755	4 G 10	16,3	384,00	585,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005756	5 G 10	18,2	480,00	730,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005757	7 G 10	20,0	672,00	952,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005758	3 G 16	17,0	461,00	669,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005759	4 G 16	18,8	614,00	866,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005760	5 G 16	21,2	768,00	1079,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005761	7 G 16	23,6	1075,00	1424,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005762	4 G 25	23,7	960,00	1345,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005763	5 G 25	26,6	1200,00	1687,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005764	4 G 35	26,9	1344,00	1812,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005765	5 G 35	30,2	1680,00	2270,00	grey	V0: HH-JZ/OZ Cca
JOB_T1005767	4 G 50	32,7	1920,00	2746,00	grey	V0: HH-JZ/OZ Cca



## USE OF CABLE

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. Outdoor use only with UV-protection, no laying underground.



## SPECIAL FEATURES

- CPR: B2ca
- 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

## REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- LABS-/silicone-free (during production)

## PRODUCT INFORMATION

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
Shield3:	Copper braid tinned; coverage approx. 85 %
Outer sheath:	Special halogen-free compound
Sheath colour:	Grey, RAL 7001
Rated voltage:	Uo/U: 300/500 V
Testing voltage:	3 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
Min. bending radius fixed:	6 x d
Min. bending radius moved:	20 x d
Operat. temp. fixed min/max:	-40 °C / +70 °C
Operat. temp. moved min/max:	-15 °C / +70 °C
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
Standard:	Similar to EN 50575:2014 + a1:2016

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_181302	2 X 0,5	5,4	21,80	41,60	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005770	3 G 0,5	5,7	43,00	52,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005771	3 X 0,5	5,7	43,00	52,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005772	4 G 0,5	6,3	49,00	67,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005773	4 X 0,5	6,3	49,00	67,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005774	5 G 0,5	6,9	57,00	79,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005775	5 X 0,5	6,9	57,00	79,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005776	7 G 0,5	7,6	69,00	100,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005777	7 X 0,5	7,6	69,00	100,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005778	12 G 0,5	9,7	104,00	159,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005779	12 X 0,5	9,7	104,00	159,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005780	18 G 0,5	11,4	141,00	223,00	grey	V0: HCH-JZ/OZ B2ca

# HCH-JZ/OZ B2ca

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_T1005781	18 X 0,5	11,4	141,00	223,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005782	25 G 0,5	13,3	211,00	291,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005783	25 X 0,5	13,3	211,00	291,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181402	2 X 0,75	6,0	31,60	53,90	grey	V0: HCH-JZ/OZ B2ca
JOB_181403	3 G 0,75	6,3	36,80	65,20	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005786	3 X 0,75	6,3	52,00	68,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181404	4 G 0,75	6,8	47,10	80,70	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005788	4 X 0,75	6,8	61,00	81,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181405	5 G 0,75	7,6	57,40	100,90	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005790	5 X 0,75	7,6	72,00	101,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181406	6 G 0,75	8,20	67,60	118,80		V0: HCH-JZ/OZ B2ca
JOB_181407	7 G 0,75	8,2	74,80	124,10	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005792	7 X 0,75	8,2	89,00	122,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181412	12 G 0,75	10,7	118,50	200,30	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005794	12 X 0,75	10,7	138,00	197,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181418	18 G 0,75	12,6	274,00	284,40	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005796	18 X 0,75	12,6	211,00	284,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181425	25 G 0,75	14,90	249,90	393,30	grey	V0: HCH-JZ/OZ B2ca
JOB_181502	2 X 1	6,30	34,40	59,10	grey	V0: HCH-JZ/OZ B2ca
JOB_181503	3 G 1	6,7	47,20	75,60	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005800	3 X 1	6,7	62,00	77,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181504	4 G 1	7,2	59,70	93,20	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005802	4 X 1	7,2	74,00	98,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181505	5 G 1	8,0	69,40	113,10	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005804	5 X 1	8,0	88,00	117,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181507	7 G 1	8,6	91,60	139,90	grey	V0: HCH-JZ/OZ B2ca
JOB_181508	8 G 1	10,10	108,80	182,20		V0: HCH-JZ/OZ B2ca
JOB_T1005806	7 X 1	8,6	112,00	147,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181512	12 G 1	11,30	147,30	227,60	grey	V0: HCH-JZ/OZ B2ca
JOB_181519	19 G 1	13,50	230,60	342,60		V0: HCH-JZ/OZ B2ca
JOB_181518	18 G 1	13,5	230,60	335,80	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005809	25 G 1	15,7	354,00	464,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181602	2 X 1,5	6,9	48,30	74,60	grey	V0: HCH-JZ/OZ B2ca
JOB_181603	3 G 1,5	7,50	64,60	99,80	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005812	3 X 1,5	7,5	82,00	101,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181604	4 G 1,5	8,1	79,00	120,90	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005814	4 X 1,5	8,1	100,00	123,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005815	5 G 1,5	9,0	119,00	153,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005816	5 X 1,5	9,0	119,00	153,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181607	7 G 1,5	9,7	128,30	287,70	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005818	7 X 1,5	9,7	154,00	194,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181612	12 G 1,5	12,7	209,50	306,80	grey	V0: HCH-JZ/OZ B2ca
JOB_181618	18 G 1,5	15,4	329,30	471,00	grey	V0: HCH-JZ/OZ B2ca

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
JOB_181619	19 G 1,5	15,40	329,30	481,40		V0: HCH-JZ/OZ B2ca
JOB_181634	34 G 1,5	21	576,40	838,30		V0: HCH-JZ/OZ B2ca
JOB_181625	25 G 1,5	17,8	433,30	622,50	grey	V0: HCH-JZ/OZ B2ca
JOB_181702	2 X 2,5	8,3	72,40	110,40	grey	V0: HCH-JZ/OZ B2ca
JOB_181703	3 G 2,5	9	96,40	144,90	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005824	3 X 2,5	9,0	118,00	147,00	grey	V0: HCH-JZ/OZ B2ca
JOB_181704	4 G 2,5	9,7	123,50	181,30	grey	V0: HCH-JZ/OZ B2ca
JOB_181705	5 G 2,5	10,8	152,10	226,20	grey	V0: HCH-JZ/OZ B2ca
JOB_181707	7 G 2,5	11,9	204,60	291,80	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005828	4 G 4	11,5	248,00	268,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005829	5 G 4	12,7	269,00	332,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005830	4 G 6	13,8	343,00	394,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005831	5 G 6	15,3	441,00	489,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005832	4 G 10	17,1	535,00	614,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005833	5 G 10	19,2	592,00	763,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005834	4 G 16	19,8	800,00	972,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005836	4 G 25	24,5	1075,00	1355,00	grey	V0: HCH-JZ/OZ B2ca
JOB_T1005837	5 G 25	27,9	1446,00	1799,00	grey	V0: HCH-JZ/OZ B2ca
JOB_0183402	2 X 0,75	6,0	31,60	53,90		V0: HCH-JZ/OZ B2ca
JOB_0183404	4 X 0,75	6,8	47,10	80,70		V0: HCH-JZ/OZ B2ca
JOB_0183406	6 X 0,75	8,20	67,60	118,80		V0: HCH-JZ/OZ B2ca
JOB_0183412	12 X 0,75	10,70	118,50	200,30		V0: HCH-JZ/OZ B2ca
JOB_0183502	2 X 1	6,30	34,40	59,10		V0: HCH-JZ/OZ B2ca
JOB_0183504	4 X 1	7,20	59,70	93,20		V0: HCH-JZ/OZ B2ca
JOB_0183506	6 X 1	8,60	82,00	133,10		V0: HCH-JZ/OZ B2ca
JOB_T0181107	7 X 0,25	6	25,59	54,91		V0: HCH-O Cca



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