

## Попниколова, Петранка А.

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**From:** Богоева, Юлия К.  
**Sent:** 15.09.2022 08:11  
**To:** Попниколова, Петранка А.  
**Сс:** Александров, Пламен Г.; Лазарова, Милена Т.  
**Subject:** FW: Call for market consultation No.49653  
**Attachments:** Attachment 1 Standard form Sheet 1 for Electrical Equipment Department and Sheet 2 for I&C Systems Department.xlsx; EUPEN\_NHXCH\_FE180\_E30\_06-1kV\_Ed\_16\_2021-03-11.pdf; EUPEN\_NHXCH\_FE180\_E90\_06-1kV\_Ed\_10\_2022-06-17.pdf

BX-E-5073/15.09.2022

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**From:** Попниколова, Петранка А. <paropnikolova@npp.bg>  
**Sent:** Wednesday, September 14, 2022 3:52 PM  
**To:** commercial <commercial@npp.bg>  
**Subject:** FW: Call for market consultation No.49653

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**From:** [Andreas\\_Jost@eupen.com](mailto:Andreas_Jost@eupen.com) [[mailto:Andreas\\_Jost@eupen.com](mailto:Andreas_Jost@eupen.com)]  
**Sent:** Wednesday, September 14, 2022 3:46 PM  
**To:** Попниколова, Петранка А.  
**Subject:** Call for market consultation No.49653

Dear Petranka Popnikolova,

One more question regarding Item N° 106-119 (Application 1 - EO) : Do you require cable with circuit integrity E30 or E90 (data sheets attached) ?

Thank you in advance for your reply

With best regards

Andreas Jost  
Area Sales Manager  
Major Projects

E-Mail : [andreas\\_jost@eupen.com](mailto:andreas_jost@eupen.com)

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Kabelwerk EUPEN AG  
cable division

Malmedyer Straße 9  
4700 Eupen  
BELGIUM



Von: "Попниколова, Петранка А." <papornikolova@npp.bg>  
An: "Andreas Jost@eupen.com" <Andreas Jost@eupen.com>  
Datum: 05.09.2022 15:09  
Betreff: FW: Call for market consultation No.49653

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**From:** Богоева, Юлия К.  
**Sent:** Wednesday, August 31, 2022 8:47 AM  
**To:** Попниколова, Петранка А.  
**Сс:** Александров, Пламен Г.; Лазарова, Милена Т.  
**Subject:** FW: Call for market consultation No.49653

**BX-E-4779/31.08.2022**

**From:** Попниколова, Петранка А. <papornikolova@npp.bg>  
**Sent:** Wednesday, August 31, 2022 8:26 AM  
**To:** commercial <commercial@npp.bg>  
**Subject:** FW: Call for market consultation No.49653

**From:** [Andreas Jost@eupen.com](mailto:Andreas_Jost@eupen.com) [mailto:Andreas\_Jost@eupen.com]  
**Sent:** Tuesday, August 30, 2022 12:22 PM  
**To:** Попниколова, Петранка А.  
**Subject:** Call for market consultation No.49653

Dear Petranka Popnikolova,

After review of your Cable List, we would like to inform you that we are interested and in a position to quote for following cable types :

## **Application 1 - EO**

N2XH 0,6/1 kV B2ca or Cca

H07RN-F 450/750 V Eca instead of H07RN-F 0,6/1kV Bca or Cca (not existing on the cable market !?)

(N)HXCH-FE 180 E30-E60 or E90 0,6/1kV instead of NHXCH-FE Bca or Cca (CPR class not applicable for fire resistant cables)

N2XSEH 6/10 kV B2ca or Cca instead of N2XSEY (in order to fulfil CPR requirements)

N2XCH 0,6/1 kV B2ca or Cca

H07Z1-K yellow-green 450/750 V B2ca or Cca

NHXMH 300/500 V Cca

For the remaining items we are unfortunately not in a position to submit you an appropriate offer

## **Application 1 - CKY**

Unfortunately we regret to inform you that we are not in a position to submit you an appropriate offer for the required cables.

*In order to prepare and submit an appropriate technical & commercial quotation to your esteemed company, we need approximately required quantities*

Thank you in advance for your reply

With best regards

Andreas Jost

Area Sales Manager

Major Projects

E-Mail : [andreas\\_jost@eupen.com](mailto:andreas_jost@eupen.com)

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Kabelwerk EUPEN AG  
cable division

Malmedyer Straße 9  
4700 Eupen  
BELGIUM



Von: "Попниколова, Петранка А." <papopnikolova@npp.bg>  
An: "Andreas Jost@eupen.com" <Andreas Jost@eupen.com>  
Datum: 29.08.2022 13:45  
Betreff: FW: Call for market consultation No.49653

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**From:** Лазарова, Милена Т.  
**Sent:** Friday, August 26, 2022 3:26 PM  
**To:** Попниколова, Петранка А.  
**Cc:** Александров, Пламен Г.  
**Subject:** FW: Call for market consultation No.49653

**BX-E-4724/26.08.2022**

**From:** Попниколова, Петранка А. <papopnikolova@npp.bg>  
**Sent:** Friday, August 26, 2022 3:05 PM  
**To:** commercial <commercial@npp.bg>  
**Subject:** FW: Call for market consultation No.49653

**From:** [Andreas Jost@eupen.com](mailto:Andreas_Jost@eupen.com) [mailto:[Andreas\\_Jost@eupen.com](mailto:Andreas_Jost@eupen.com)]  
**Sent:** Friday, August 26, 2022 11:53 AM  
**To:** Попниколова, Петранка А.  
**Subject:** Call for market consultation No.49653

Dear Petranka Popnikolowa,

First of all we would like to apologise for late reply but we are working with reduced staff during current summer holiday period.

My name is Andreas Jost, Area Sales Manager for Major Projects and I am in charge of the Bulgarian market.

We confirm receipt of your cable inquiry and kindly ask you to give us some more time for internal review with our technical department in order to check what type of cables we are in a position to offer or not

Thank you in advance

With best regards

Andreas Jost

Area Sales Manager

Major Projects

E-Mail : [andreas\\_jost@eupen.com](mailto:andreas_jost@eupen.com)

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# Application 1

## Sheet 1 for Electrical Equipment Department

No	Cable type	Voltage	Cross section of the cord	Reaction to fire class CPR - EN50575	Is it manufactured with Bca or Cca insulation, (Yes or No)	Minimum production/order quantity	Manufacturer's Declaration of Performance, Dop (Yes or No)	Delivery time for 100m cable	Price for 100 m, EUR	Manufacturer
1	N2XH	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca						
2	N2XH	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca						
3	N2XH	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca						
4	N2XH	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca						
5	N2XH	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca						
6	N2XH	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca						
7	N2XH	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca						
8	N2XH	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca						
9	N2XH	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca						
10	N2XH	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca						
11	N2XH	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca						
12	N2XH	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca						
13	N2XH	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca						
14	N2XH	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca						
15	NY Y	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca						
16	NY Y	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca						
17	NY Y	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca						
18	NY Y	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca						
19	NY Y	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca						
20	NY Y	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca						
21	NY Y	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca						
22	NY Y	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca						
23	NY Y	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca						
24	NY Y	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca						
25	NY Y	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca						
26	NY Y	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca						
27	NY Y	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca						
28	NY Y	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca						
29	NY Y-FR	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca						
30	NY Y-FR	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca						

31	NYV-FR	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca					
32	NYV-FR	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca					
33	NYV-FR	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca					
34	NYV-FR	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca					
35	NYV-FR	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca					
36	NYV-FR	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca					
37	NYV-FR	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca					
38	NYV-FR	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca					
39	NYV-FR	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca					
40	NYV-FR	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca					
41	NYV-FR	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca					
42	NYV-FR	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca					
43	H07RN-F	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca					
44	H07RN-F	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca					
45	H07RN-F	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca					
46	H07RN-F	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca					
47	H07RN-F	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca					
48	H07RN-F	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca					
49	H07RN-F	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca					
50	H07RN-F	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca					
51	H07RN-F	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca					
52	H07RN-F	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca					
53	H07RN-F	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca					
54	H07RN-F	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca					
55	H07RN-F	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca					
56	H07RN-F	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca					
57	H07ZZ-F	450/750V	4x1,5mm <sup>2</sup>	Bca or Cca					
58	H07ZZ-F	450/750V	4x2,5mm <sup>2</sup>	Bca or Cca					
59	H07ZZ-F	450/750V	4x4mm <sup>2</sup>	Bca or Cca					
60	H07ZZ-F	450/750V	4x6mm <sup>2</sup>	Bca or Cca					
61	H07ZZ-F	450/750V	4x10mm <sup>2</sup>	Bca or Cca					
62	H07ZZ-F	450/750V	4x16mm <sup>2</sup>	Bca or Cca					
63	H07ZZ-F	450/750V	4x25mm <sup>2</sup>	Bca or Cca					
64	H07ZZ-F	450/750V	4x35mm <sup>2</sup>	Bca or Cca					
65	H07ZZ-F	450/750V	4x50mm <sup>2</sup>	Bca or Cca					
66	H07ZZ-F	450/750V	4x70mm <sup>2</sup>	Bca or Cca					

67	H07ZZ-F	450/750V	4x95mm <sup>2</sup>	Bca or Cca				
68	H07ZZ-F	450/750V	4x120mm <sup>2</sup>	Bca or Cca				
69	H07ZZ-F	450/750V	4x150mm <sup>2</sup>	Bca or Cca				
70	H07ZZ-F	450/750V	4x185mm <sup>2</sup>	Bca or Cca				
71	NSSHöu	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca				
72	NSSHöu	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca				
73	NSSHöu	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca				
74	NSSHöu	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca				
75	NSSHöu	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca				
76	NSSHöu	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca				
77	NSSHöu	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca				
78	NSSHöu	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca				
79	NSSHöu	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca				
80	NSSHöu	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca				
81	NSSHöu	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca				
82	NSSHöu	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca				
83	NSSHöu	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca				
84	NSSHöu	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca				
85	SiHF	300/500V	4x1,5mm <sup>2</sup>	Bca or Cca				
86	SiHF	300/500V	4x2,5mm <sup>2</sup>	Bca or Cca				
87	SiHF	300/500V	4x4mm <sup>2</sup>	Bca or Cca				
88	SiHF	300/500V	4x6mm <sup>2</sup>	Bca or Cca				
89	SiHF	300/500V	4x10mm <sup>2</sup>	Bca or Cca				
90	SiHF	300/500V	4x16mm <sup>2</sup>	Bca or Cca				
91	SiHF	300/500V	4x25mm <sup>2</sup>	Bca or Cca				
92	SiHF	300/500V	4x35mm <sup>2</sup>	Bca or Cca				
93	SiHF	300/500V	4x50mm <sup>2</sup>	Bca or Cca				
94	SiHF	300/500V	4x70mm <sup>2</sup>	Bca or Cca				
95	SiHF	300/500V	4x95mm <sup>2</sup>	Bca or Cca				
96	SIF/GL	300/500V	1x10mm <sup>2</sup>	Bca or Cca				
97	SIF/GL	300/500V	4x1,5mm <sup>2</sup>	Bca or Cca				
98	SIF/GL	300/500V	4x2,5mm <sup>2</sup>	Bca or Cca				
99	SIF/GL	300/500V	4x4mm <sup>2</sup>	Bca or Cca				
100	SIF/GL	300/500V	4x6mm <sup>2</sup>	Bca or Cca				
101	SIF/GL	300/500V	4x10mm <sup>2</sup>	Bca or Cca				
102	SIF/GL	300/500V	4x16mm <sup>2</sup>	Bca or Cca				



103	SIF/GL	300/500V	4x25mm <sup>2</sup>	Bca or Cca					
104	SIF/GL	300/500V	4x35mm <sup>2</sup>	Bca or Cca					
105	SIF/GL	300/500V	4x50mm <sup>2</sup>	Bca or Cca					
106	NHXCH-FE	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca					
107	NHXCH-FE	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca					
108	NHXCH-FE	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca					
109	NHXCH-FE	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca					
110	NHXCH-FE	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca					
111	NHXCH-FE	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca					
112	NHXCH-FE	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca					
113	NHXCH-FE	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca					
114	NHXCH-FE	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca					
115	NHXCH-FE	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca					
116	NHXCH-FE	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca					
117	NHXCH-FE	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca					
118	NHXCH-FE	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca					
119	NHXCH-FE	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca					
120	H07V-K; yellow-green	450/750 V	1x1,5mm <sup>2</sup>	Bca or Cca					
121	H07V-K; yellow-green	450/750 V	1x2,5mm <sup>2</sup>	Bca or Cca					
122	H07V-K; yellow-green	450/750 V	1x4mm <sup>2</sup>	Bca or Cca					
123	H07V-K; yellow-green	450/750 V	1x6mm <sup>2</sup>	Bca or Cca					
124	H07V-K; yellow-green	450/750 V	1x10mm <sup>2</sup>	Bca or Cca					
125	H07V-K; yellow-green	450/750 V	1x16mm <sup>2</sup>	Bca or Cca					
126	H07V-K; yellow-green	450/750 V	1x25mm <sup>2</sup>	Bca or Cca					
127	H07V-K; yellow-green	450/750 V	1x35mm <sup>2</sup>	Bca or Cca					
128	H07V-K; yellow-green	450/750 V	1x50mm <sup>2</sup>	Bca or Cca					
129	H07V-K; yellow-green	450/750 V	1x70mm <sup>2</sup>	Bca or Cca					
130	H07V-K; yellow-green	450/750 V	1x95mm <sup>2</sup>	Bca or Cca					

131	H05V-U	300/500 V	1x1,5mm <sup>2</sup>	Bca or Cca					
132	H05V-U	300/500 V	1x2,5mm <sup>2</sup>	Bca or Cca					
133	H05V-U	300/500 V	1x4mm <sup>2</sup>	Bca or Cca					
134	H05V-U	300/500 V	1x6mm <sup>2</sup>	Bca or Cca					
135	H05V-U	300/500 V	1x10mm <sup>2</sup>	Bca or Cca					
136	H05V-K	300/500 V	1x1,5mm <sup>2</sup>	Bca or Cca					
137	H05V-K	300/500 V	1x2,5mm <sup>2</sup>	Bca or Cca					
138	H05V-K	300/500 V	1x4mm <sup>2</sup>	Bca or Cca					
139	H05V-K	300/500 V	1x6mm <sup>2</sup>	Bca or Cca					
140	H05V-K	300/500 V	1x10mm <sup>2</sup>	Bca or Cca					
141	N2XSEY	6/10kV	3x150/25mm <sup>2</sup>	Bca or Cca					
142	N2XSEY	6/10kV	3x185/25mm <sup>2</sup>	Bca or Cca					
143	NYCWY	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca					
144	NYCWY	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca					
145	NYCWY	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca					
146	NYCWY	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca					
147	NYCWY	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca					
148	NYCWY	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca					
149	NYCWY	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca					
150	NYCWY	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca					
151	NYCWY	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca					
152	NYCWY	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca					
153	NYCWY	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca					
154	NYCWY	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca					
155	NYCWY	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca					
156	NYCWY	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca					
157	N2XY - O/J	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca					
158	N2XY - O/J	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca					
159	N2XY - O/J	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca					
160	N2XY - O/J	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca					
161	N2XY - O/J	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca					
162	N2XY - O/J	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca					
163	N2XY - O/J	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca					
164	N2XY - O/J	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca					
165	N2XY - O/J	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca					
166	N2XY - O/J	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca					

167	N2XY - O/J	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca					
168	N2XY - O/J	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca					
169	N2XY - O/J	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca					
170	N2XY - O/J	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca					
171	N2XCH	0,6/1kV	4x1,5mm <sup>2</sup>	Bca or Cca					
172	N2XCH	0,6/1kV	4x2,5mm <sup>2</sup>	Bca or Cca					
173	N2XCH	0,6/1kV	4x4mm <sup>2</sup>	Bca or Cca					
174	N2XCH	0,6/1kV	4x6mm <sup>2</sup>	Bca or Cca					
175	N2XCH	0,6/1kV	4x10mm <sup>2</sup>	Bca or Cca					
176	N2XCH	0,6/1kV	4x16mm <sup>2</sup>	Bca or Cca					
177	N2XCH	0,6/1kV	4x25mm <sup>2</sup>	Bca or Cca					
178	N2XCH	0,6/1kV	4x35mm <sup>2</sup>	Bca or Cca					
179	N2XCH	0,6/1kV	4x50mm <sup>2</sup>	Bca or Cca					
180	N2XCH	0,6/1kV	4x70mm <sup>2</sup>	Bca or Cca					
181	N2XCH	0,6/1kV	4x95mm <sup>2</sup>	Bca or Cca					
182	N2XCH	0,6/1kV	4x120mm <sup>2</sup>	Bca or Cca					
183	N2XCH	0,6/1kV	4x150mm <sup>2</sup>	Bca or Cca					
184	N2XCH	0,6/1kV	4x185mm <sup>2</sup>	Bca or Cca					
185	NTSCGEWÖU	6/10kV	3x150+3x70mm <sup>2</sup>	Bca or Cca					
186	NTSCGEWÖU	6/10kV	3x120+3x70mm <sup>2</sup>	Bca or Cca					
187	NTSCGEWÖU	6/10kV	3x95+3x50mm <sup>2</sup>	Bca or Cca					
188	ÖLFLEX® HEAT 180 SIF/GL	300/500V	1x10mm <sup>2</sup>	Bca or Cca					
189	HELUTHERM® 400	300/500V	1x10mm <sup>2</sup>	Bca or Cca					
190	HELUFON®-FEP-6Y	0,6/1kV	1x10mm <sup>3</sup>	Bca or Cca					
191	H07Z1-K; yellow- green	450/750V	1x1,5mm <sup>2</sup>	Bca or Cca					
192	H07Z1-K; yellow- green	450/750V	1x2,5mm <sup>2</sup>	Bca or Cca					
193	H07Z1-K; yellow- green	450/750V	1x4mm <sup>2</sup>	Bca or Cca					
194	H07Z1-K; yellow- green	450/750V	1x6mm <sup>2</sup>	Bca or Cca					
195	H07Z1-K; yellow- green	450/750V	1x10mm <sup>2</sup>	Bca or Cca					
196	H07Z1-K; yellow- green	450/750V	1x16mm <sup>2</sup>	Bca or Cca					

197	H07Z1-K; yellow-green	450/750V	1x25mm <sup>2</sup>	Bca or Cca					
198	H07Z1-K; yellow-green	450/750V	1x35mm <sup>2</sup>	Bca or Cca					
199	H07Z1-K; yellow-green	450/750V	1x50mm <sup>2</sup>	Bca or Cca					
200	H07Z1-K; yellow-green	450/750V	1x70mm <sup>2</sup>	Bca or Cca					
201	H07Z1-K; yellow-green	450/750V	1x95mm <sup>2</sup>	Bca or Cca					
202	N2XSEH	6/10kV	3x150/25mm <sup>2</sup>	Bca or Cca					
203	N2XSEH	6/10kV	3x185/25mm <sup>2</sup>	Bca or Cca					
204	H05Z-K	300/500V	1x1,5mm <sup>2</sup>	Bca or Cca					
205	H05Z-K	300/500V	1x2,5mm <sup>2</sup>	Bca or Cca					
206	H05Z-K	300/500V	1x4mm <sup>2</sup>	Bca or Cca					
207	H05Z-K	300/500V	1x6mm <sup>2</sup>	Bca or Cca					
208	H05Z-K	300/500V	1x10mm <sup>2</sup>	Bca or Cca					
209	NHXMH	300/500V	4x1,5mm <sup>2</sup>	Bca or Cca					
210	NHXMH	300/500V	4x2,5mm <sup>2</sup>	Bca or Cca					
211	NHXMH	300/500V	4x4mm <sup>2</sup>	Bca or Cca					
212	NHXMH	300/500V	4x6mm <sup>2</sup>	Bca or Cca					
213	NHXMH	300/500V	2x1,5mm <sup>2</sup>	Bca or Cca					
214	NHXMH	300/500V	2x2,5mm <sup>2</sup>	Bca or Cca					
215	NHXMH	300/500V	3x1,5mm <sup>2</sup>	Bca or Cca					
216	NHXMH	300/500V	3x2,5mm <sup>2</sup>	Bca or Cca					
217	NHXMH	300/500V	3x4mm <sup>2</sup>	Bca or Cca					
218	H05VV-F	300/500 V	3 x 1,5mm <sup>2</sup>	Bca or Cca					
219	H05VV-F	300/500 V	3 x 2,5mm <sup>2</sup>	Bca or Cca					
220	H05VV-F	300/500 V	3 x 4mm <sup>2</sup>	Bca or Cca					
221	H05VV-F	300/500 V	4 x 1,5mm <sup>2</sup>	Bca or Cca					
222	H05VV-F	300/500 V	4 x 2,5mm <sup>2</sup>	Bca or Cca					
223	H05VV-F	300/500 V	4 x 4mm <sup>2</sup>	Bca or Cca					
224	H05VV-F	300/500 V	5 x 1,5mm <sup>2</sup>	Bca or Cca					
225	H05VV-F	300/500 V	5 x 2,5mm <sup>2</sup>	Bca or Cca					
226	H05VV-F	300/500 V	5 x 4mm <sup>2</sup>	Bca or Cca					
227	H05RR-F	300/500 V	3 x 1,5mm <sup>2</sup>	Bca or Cca					
228	H05RR-F	300/500 V	3 x 2,5mm <sup>2</sup>	Bca or Cca					
229	H05RR-F	300/500 V	3 x 4mm <sup>2</sup>	Bca or Cca					

230	H05RR-F	300/500 V	3 x 6mm <sup>2</sup>	Bca or Cca					
231	H05RR-F	300/500 V	4 x 1,5mm <sup>2</sup>	Bca or Cca					
232	H05RR-F	300/500 V	4 x 2,5mm <sup>2</sup>	Bca or Cca					
233	H05RR-F	300/500 V	4 x 4mm <sup>2</sup>	Bca or Cca					
234	H05RR-F	300/500 V	4 x 6mm <sup>2</sup>	Bca or Cca					
235	H07Z-K	450/750V	1 x 1,5mm <sup>2</sup>	Bca or Cca					
236	H07Z-K	450/750V	1 x 2,5mm <sup>2</sup>	Bca or Cca					
237	H07Z-K	450/750V	1 x 4mm <sup>2</sup>	Bca or Cca					
238	H07Z-K	450/750V	1 x 6mm <sup>2</sup>	Bca or Cca					
239	H07Z-K	450/750V	1 x 10mm <sup>2</sup>	Bca or Cca					
240	SIF	300/500 V	1 x 1,5mm <sup>2</sup>	Bca or Cca					
241	SIF	300/500 V	1 x 2,5mm <sup>2</sup>	Bca or Cca					
242	SIF	300/500 V	1 x 4mm <sup>2</sup>	Bca or Cca					
243	SIF	300/500 V	1 x 6mm <sup>2</sup>	Bca or Cca					
244	SIF	300/500 V	1 x 10mm <sup>2</sup>	Bca or Cca					
245	SIF	300/500 V	1 x 16mm <sup>2</sup>	Bca or Cca					
246	SIF	300/500 V	1 x 25mm <sup>2</sup>	Bca or Cca					
247	SIF	300/500 V	1 x 35mm <sup>2</sup>	Bca or Cca					
248	SIF	300/500 V	1 x 50mm <sup>2</sup>	Bca or Cca					

No	Cable type	Cross section of the cord	Reaction to fire class CPR - EN50575	Is it manufactured with Bca or Cca insulation, (Yes or No)	Minimum production/order quantity	Manufacturer's Declaration of Performance, Dop (Yes or No)	Delivery time for 100m cable	Price for 100m, EUR	Manufacturer
1	(N)YY-J fr/A	3 x 2,5 MM <sup>2</sup>	Bca or Cca						
2	1-C5XFE-R/LOCA	10 x 2,5 MM <sup>2</sup>	Bca or Cca						
3	1-C5XFE-R/LOCA	14 x 2,5 MM <sup>2</sup>	Bca or Cca						
4	1-C5XFE-R/LOCA	16 x 2,5 MM <sup>2</sup>	Bca or Cca						
5	1-C5XFE-R/LOCA	5 x 1,5 MM <sup>2</sup>	Bca or Cca						
6	HELUTHERM Multi	4 x 1 MM <sup>2</sup>	Bca or Cca						
7	HELUTHERM Multi	7 x 0,75 MM <sup>2</sup>	Bca or Cca						
8	HSLCH-Jz	10 x 0,75 MM <sup>2</sup>	Bca or Cca						
9	HSLCH-Jz	12 x 0,75 MM <sup>2</sup>	Bca or Cca						
10	HSLCH-Jz	14 x 0,75 MM <sup>2</sup>	Bca or Cca						
11	HSLCH-Jz	16 x 0,75 MM <sup>2</sup>	Bca or Cca						
12	HSLCH-Jz	18 x 0,75 MM <sup>2</sup>	Bca or Cca						
13	HSLCH-Jz	20 x 0,75 MM <sup>2</sup>	Bca or Cca						
14	HSLCH-Jz	24 x 0,75 MM <sup>2</sup>	Bca or Cca						
15	HSLCH-Jz	25 x 0,75 MM <sup>2</sup>	Bca or Cca						
16	HSLCH-JZ CY 850	12 x 0,75 MM <sup>2</sup>	Bca or Cca						
17	HSLCH-JZ CY 850	18 x 0,75 MM <sup>2</sup>	Bca or Cca						
18	HSLCH-JZ CY 850	25 x 0,75 MM <sup>2</sup>	Bca or Cca						
19	J-Y /St/Y FR	2 x 2 x 0,5 MM <sup>2</sup>	Bca or Cca						
20	LIHCH	14x1,0 MM <sup>2</sup>	Bca or Cca						
21	LIHCH-OZ	12 x 0,75 MM <sup>2</sup>	Bca or Cca						
22	LIHCH-OZ	14 x 1,0 MM <sup>2</sup>	Bca or Cca						
23	LIHCH-OZ	18 x 0,75 MM <sup>2</sup>	Bca or Cca						
24	LIHCH-OZ	24 x 1,0 MM <sup>2</sup>	Bca or Cca						
25	LIHCH-OZ	25 x 0,75 MM <sup>2</sup>	Bca or Cca						
26	LIHCH-OZ	34 x 0,75 MM <sup>2</sup>	Bca or Cca						
27	LIYCY	10 x 1,0 MM <sup>2</sup>	Bca or Cca						
28	LIYCY	12 x 0,75 MM <sup>2</sup>	Bca or Cca						
29	LIYCY	14 x 1,5 MM <sup>2</sup>	Bca or Cca						

30	LIYCY	16 x 1,5 MM <sup>2</sup>	Bca or Cca						
31	LIYCY	21 x 1,5 MM <sup>2</sup>	Bca or Cca						
32	LIYCY	24 x 1,5 MM <sup>2</sup>	Bca or Cca						
33	LIYCY	30 x 1,5 MM <sup>2</sup>	Bca or Cca						
34	LIYCY	4 x 0,75 MM <sup>2</sup>	Bca or Cca						
35	LIYCY	4 x 1,5 mm <sup>2</sup>	Bca or Cca						
36	LIYCY	7 x 0,75 MM <sup>2</sup>	Bca or Cca						
37	LIYCY	7 x 1,0 MM <sup>2</sup>	Bca or Cca						
38	LIYCY	7 x 1,5 MM <sup>2</sup>	Bca or Cca						
39	LIYCY FR	7 x 0,75 MM <sup>2</sup>	Bca or Cca						
40	MEGAFLEX500-C	10 x 0,75 MM <sup>2</sup>	Bca or Cca						
41	MEGAFLEX500-C	12 x 0,75 MM <sup>2</sup>	Bca or Cca						
42	MEGAFLEX500-C	14 x 0,75 MM <sup>2</sup>	Bca or Cca						
43	MEGAFLEX500-C	16 x 0,75 MM <sup>2</sup>	Bca or Cca						
44	MEGAFLEX500-C	18 x 0,75 MM <sup>2</sup>	Bca or Cca						
45	MEGAFLEX500-C	20 x 0,75 MM <sup>2</sup>	Bca or Cca						
46	MEGAFLEX500-C	24 x 0,75 MM <sup>2</sup>	Bca or Cca						
47	MEGAFLEX500-C	25 x 0,75 MM <sup>2</sup>	Bca or Cca						
48	MEGAFLEX500-C	7 x 0,75 MM <sup>2</sup>	Bca or Cca						
49	N2XH-J	10 x 1,5 MM <sup>2</sup>	Bca or Cca						
50	N2XH-J	14 x 1,5 MM <sup>2</sup>	Bca or Cca						
51	N2XH-J	3 x 2,5 MM <sup>2</sup>	Bca or Cca						
52	N2XH-J	5 x 2,5 MM <sup>2</sup>	Bca or Cca						
53	N2XH-J	7 x 1,5 MM <sup>2</sup>	Bca or Cca						
54	NHXH-FE	10 x 1,5MM <sup>2</sup>	Bca or Cca						
55	NHXH-FE	6 x 1,5MM <sup>2</sup>	Bca or Cca						
56	NYF-FR	4 x 1,5MM <sup>2</sup>	Bca or Cca						
57	OLFLEX CLASSIC 110	7 x 1,5 mm <sup>2</sup>	Bca or Cca						
58	OLFLEX CLASSIC 110	10 x 0,75 MM <sup>2</sup>	Bca or Cca						
59	OLFLEX CLASSIC 110	12 x 0,75 MM <sup>2</sup>	Bca or Cca						
60	OLFLEX CLASSIC 110	15 x 0,75 MM <sup>2</sup>	Bca or Cca						

61	OLFLEX CLASSIC 110	34 x 0,75 mm <sup>2</sup>	Bea or Cca							
62	OLFLEX CLASSIC 110	34 x 1,5mm <sup>2</sup>	Bea or Cca							
63	Olflex Classic 115 CY	12 x 0,5 mm <sup>2</sup>	Bea or Cca							
64	OLFLEX HEAT 180 SIHF	4 x 1,0 mm <sup>2</sup>	Bea or Cca							
65	OLFLEX HEAT 180 SIHF	7 x 1,5mm <sup>2</sup>	Bea or Cca							
66	OPVC-JZ	12 x 0,75 mm <sup>2</sup>	Bea or Cca							
67	OPVC-OZ	10 x 0,75 mm <sup>2</sup>	Bea or Cca							
68	OPVC-OZ	14 x 0,75 mm <sup>2</sup>	Bea or Cca							
69	OPVC-OZ	16 x 0,75 mm <sup>2</sup>	Bea or Cca							
70	OPVC-OZ	18 x 0,75 mm <sup>2</sup>	Bea or Cca							
71	OPVC-OZ-CY	4x0,75 mm <sup>2</sup>	Bea or Cca							
72	YCY- FR	10 x 0,75 mm <sup>2</sup>	Bea or Cca							
73	YCY- FR	7 x 0,75 mm <sup>2</sup>	Bea or Cca							
74	YCY-FR	34 x 0,75 mm <sup>2</sup>	Bea or Cca							
75	CBBH/A	3x2.5 mm <sup>2</sup>	Bea or Cca							
76	CBBH/A	7x1.5 mm <sup>2</sup>	Bea or Cca							
77	CBT-c	10x1.5mm <sup>2</sup>	Bea or Cca							
78	CBT-c	7x1.5mm <sup>2</sup>	Bea or Cca							
79	TIII	100 x 2 x 0,5 mm <sup>2</sup>	Bea or Cca							
80	TIII	20 x 2 x 0,5 mm <sup>2</sup>	Bea or Cca							
81	TCB/A/B	10 x 2 x 0,5 mm <sup>2</sup>	Bea or Cca							
82	TCB/A/B	2 x 2 x 0,5 mm <sup>2</sup>	Bea or Cca							
83	JC5XFOE-V /sto/o/-/	14x0.35 mm <sup>2</sup>	Bea or Cca							
84	JC5XFOE-V /sto/o/-/	19x0.35 mm <sup>2</sup>	Bea or Cca							
85	JC5XFOE-V /sto/o/-/	27x0.35 mm <sup>2</sup>	Bea or Cca							
86	JC5XFOE-V /sto/o/-/	7x0.35 mm <sup>2</sup>	Bea or Cca							
87	JC5XFOE-V /sto/o/-/	10x0.35 mm <sup>2</sup>	Bea or Cca							
88	1-CHKFE-V (J) /o/-/	3x2.5 mm <sup>2</sup>	Bea or Cca							
89	-CXKFE-V/LOCA /o/-/	19x1.5 mm <sup>2</sup>	Bea or Cca							
90	5XFOE-V/LOCA /st/o	2x2x0.35 mm <sup>2</sup>	Bea or Cca							
91	C5XFOE-V/LOCA /o/-/	2x2x0.5 mm <sup>2</sup>	Bea or Cca							



92	'5XFOE-V/LOCA /st/o	4x2x0.35 mm <sup>2</sup>	Bea or Cca						
93	'5XFOE-V/LOCA /sto/	4x2.5 mm <sup>2</sup>	Bea or Cca						
94	'5XFOE-V/LOCA /sto/	4x1.5 mm <sup>2</sup>	Bea or Cca						
95	TRONIC-CY (LiY-CY)	12x0.75 MM <sup>2</sup>	Bea or Cca						
96	TRONIC-CY (LiY-CY)	7x0.75 mm <sup>2</sup>	Bea or Cca						
97	TRONIC-CY (LiY-CY)	12x1.5 mm <sup>2</sup>	Bea or Cca						
98	HSLCH 300/500V	5x0.75 mm <sup>2</sup>	Bea or Cca						
99	HSLCH 300/500V	7x0.75 mm <sup>2</sup>	Bea or Cca						
100	HSLCH 300/500V	10x0.75 mm <sup>2</sup>	Bea or Cca						
101	HSLCH 300/500V	12x0.75 mm <sup>2</sup>	Bea or Cca						
102	HSLCH 300/500V	25x0.75 mm <sup>2</sup>	Bea or Cca						
103	HSLCH 300/500V	28x0.75 mm <sup>2</sup>	Bea or Cca						

**(N)HXCH FE 180 E30 0,6/1 kV**

1/2

in Anlehnung an / adapted to

**DIN VDE 0266****DIN VDE 0276-604****Aufbau**

1. Kupferleiter : blank eindrätig oder mehrdrätig
2. Isolation : vernetzte halogenfreie keramisierbare 2 Lagenisolierung HXI 2, Adernfarben gemäß HD308
3. Gemeinsame Aderumhüllung
4. Konzentrischer Leiter bestehend aus blanken Kupferdrähten mit gegenläufiger Haltewendel aus Kupferband
5. PP-Band
6. Außenmantel : halogenfreie Polymermischung orange

**Construction**

1. Conductor : bare copper, solid or stranded
2. Insulation : cross-linked halogen free ceramic forming 2 layer insulation HXI 2, core colours acc. to HD308
3. Inner covering
4. Concentric conductor formed by bare copper wires with counter helix of copper tape
5. PP-Tape
6. Outer sheath : halogen free polymer compound orange

**Anwendung**

Halogenfreie Starkstromkabel mit verbessertem Verhalten im Brandfall dürfen in Innenräumen, in Luft oder Beton verlegt werden. Direkte Verlegung in Erde oder Wasser ist nicht zulässig. Eine Verlegung im Rohr ist jedoch zulässig, wenn Vorkehrungen getroffen sind, dass sich im Rohr keine Wasseransammlung bilden kann. Bei der Verlegung ist darauf zu achten, dass die Kabel vor äußere Einflüsse und mechanische Beschädigungen geschützt werden.

**Application**

Halogen free cables with improved fire properties can be laid in interiors, in air or in concrete. Direct burial in ground or direct laying in water is not permissible. However, a laying in a pipe is allowed if water accumulations are excluded. During installation the cables have to be protected from any external influences or mechanical damages.

**Eigenschaften**

- Halogenfrei, keine korrosiven Gase (EN 60754-2)
- Brandhemmend (EN 60332-1-2, EN 60332-3-24)
- Minimale Rauchentwicklung (EN 61034)
- Isolationserhalt FE 180 (DIN VDE 0472-814)
- Funktionserhalt E 30 (DIN 4102 Teil 12)
- Betriebstemperatur : - 30... + 90 °C
- Verlegetemperatur: - 5... + 50 °C
- Min. Biegeradius: 12 x D

**Properties**

- Halogen free, no emission of corrosive gases (EN 60754-2)
- Fire retardant (EN 60332-1-2, EN 60332-3-24)
- Low smoke generation (EN 61034)
- Insulation integrity FE 180 (DIN VDE 0472-814)
- Circuit integrity E 30 (DIN 4102 Part 12)
- Service temperature: - 30 ... + 90 °C
- Laying temperature: - 5 ... + 50 °C
- Min. bending radius: 12 x D

Alle Angaben sind nur Richtwerte und unverbindlich und können ohne vorherige Ankündigung geändert werden.

All information given is indicative only and not binding and can be subject to change without notice.



**(N)HXCH FE 180 E30 0,6/1 kV**

Aderzahl und Querschnitt Number of cores and cross section mm <sup>2</sup>	Außen- durchmesser Outer diameter approx. mm	Kabelgewicht Weight of cable approx. kg/km	Brandlast Calorific potential kWh/m
2 x 1,5 RE/1,5	11,4	142	0,41
2 x 2,5 RE/2,5	12,6	183	0,47
2 x 4 RE/4	13,6	237	0,53
2 x 6 RE/6	16,0	321	0,62
2 x 10 RE/10	18,0	458	0,78
3 x 1,5 RE/1,5	11,8	177	0,51
3 x 2,5 RE/2,5	13,1	231	0,60
3 x 4 RE/4	14,2	306	0,68
3 x 6 RE/6	16,3	409	0,83
3 x 10 RE/10	18,4	598	1,08
3 x 16 RM/16	21,0	876	1,30
3 x 25 RM/16	23,6	1.180	1,58
3 x 35 RM/16	26,2	1.493	1,87
3 x 50 RM/25	29,7	2.045	2,32
3 x 70 RM/35	34,6	2.864	3,09
3 x 95 RM/50	39,1	3.847	3,77
3 x 120RM/70	43,2	4.875	4,54
3 x 150 RM/70	47,5	5.854	5,66
3 x 185 RM/95	53,2	7.428	7,01
3 x 240 RM/120	59,0	9.414	8,53
4 x 1,5 RE/1,5	12,5	204	0,56
4 x 2,5 RE/2,5	13,9	268	0,66
4 x 4 RE/4	15,1	358	0,75
4 x 6 RE/6	17,4	482	0,91
4 x 10 RE/10	19,8	716	1,20
4 x 16 RM/16	22,7	1.057	1,44
4 x 25 RM/16	25,6	1.446	1,74
4 x 35 RM/16	28,4	1.850	2,01
4 x 50 RM/25	32,5	2.553	2,55
4 x 70 RM/35	37,9	3.580	3,42
4 x 95 RM/50	42,8	4.823	4,14
4 x 120 RM/70	47,3	6.090	5,07
4 x 150 RM/70	52,0	7.347	6,22
4 x 185 RM/95	58,5	9.328	7,83
4 x 240 RM/120	64,9	11.839	9,49
5 x 1,5 RE/1,5	13,4	223	0,58
5 x 2,5 RE/2,5	14,9	299	0,67
5 x 4 RE/4	16,2	402	0,76
5 x 6 RE/6	18,7	542	0,91
5 x 10 RE/10	21,4	811	1,17
7 x 1,5 RE/2,5	15,0	283	0,69
7 x 2,5 RE/2,5	16,2	361	0,79
12 x 1,5 RE/2,5	18,2	409	0,97
12 x 2,5 RE/4	19,9	557	1,11
24 x 1,5 RE/6	23,4	725	1,55
24 x 2,5 RE/10	26,4	1.022	1,79
30 x 1,5 RE/6	24,5	855	1,77
30 x 2,5 RE/10	27,7	1.211	2,06

RE : 

RM : 

## (N)HXCH FE 180 E90 0,6/1 kV

1/2

in Anlehnung an / adapted to

**DIN VDE 0266**
**DIN VDE 0276-604**


### Aufbau

1. Kupferleiter: blank eindrätig oder mehrdrätig
2. Isolation: vernetzte halogenfreie keramisierbare 2 Lagenisolierung HXI 2, Adernfarben gemäß HD308
3. Gemeinsame Aderumhüllung
4. Konzentrischer Leiter bestehend aus blanken Kupferdrähten mit gegenläufiger Haltewendel aus Kupferband
5. PP-Band
6. Außenmantel: halogenfreie Polymermischung orange

### Anwendung

Halogenfreie Starkstromkabel mit verbessertem Verhalten im Brandfall dürfen in Innenräumen, in Luft oder Beton verlegt werden. Direkte Verlegung in Erde oder Wasser ist nicht zulässig. Eine Verlegung im Rohr ist jedoch zulässig, wenn Vorkehrungen getroffen sind, dass sich im Rohr keine Wasseransammlung bilden kann. Bei der Verlegung ist darauf zu achten, dass die Kabel vor äußere Einflüsse und mechanische Beschädigungen geschützt werden.

### Eigenschaften

- Halogenfrei, keine korrosiven Gase (EN 60754-2)
- Brandhemmend (EN 60332-3-24)
- Minimale Rauchentwicklung (EN 61034)
- Isolationserhalt FE 180 (DIN VDE 0472-814)
- Funktionserhalt E 90 (DIN 4102 Teil 12)
- Betriebstemperatur: -30 ... +90 °C
- Verlegetemperatur: -5 ... +50 °C
- Min. Biegeradius: 12 x D

Alle Angaben sind nur Richtwerte und unverbindlich und können ohne vorherige Ankündigung geändert werden.

### Construction

1. Conductor: bare copper, solid or stranded
2. Insulation: cross-linked halogen free ceramic forming 2 layer insulation HXI 2, core colours acc. to HD308
3. Inner covering
4. Concentric conductor formed by bare copper wires with counter helix of copper tape
5. PP-Tape
6. Outer sheath: halogen free polymer compound orange

### Application

Halogen free cables with improved fire properties can be laid in interiors, in air or in concrete. Direct burial in ground or direct laying in water is not permissible. However, a laying in a pipe is allowed if water accumulations are excluded. During installation the cables have to be protected from any external influences or mechanical damages.

### Properties

- Halogen free, no emission of corrosive gases (EN 60754-2)
- Fire retardant (EN 60332-3-24)
- Low smoke generation (EN 61034)
- Insulation integrity FE 180 (DIN VDE 0472-814)
- Circuit integrity E 90 (DIN 4102 Part 12)
- Service temperature: -30 ... +90 °C
- Laying temperature: -5 ... +50 °C
- Min. bending radius: 12 x D

All information given is indicative only and not binding and can be subject to change without notice.



**(N)HXCH FE 180 E90 0,6/1 kV**

Aderzahl und Querschnitt Number of cores and cross section mm <sup>2</sup>	Außen-durchmesser Outer diameter approx. mm	Kabelgewicht Weight of cable approx. kg/km	Brandlast Calorific potential kWh/m
3 x 1,5 RE/1,5	12,9	219	0,67
3 x 2,5 RE/2,5	14,2	281	0,77
3 x 4 RE/4	15,3	364	0,87
3 x 6 RE/6	17,2	474	1,03
3 x 10 RE/10	20,1	713	1,37
3 x 16 RM/16	23,1	1029	1,82
3 x 25 RM/16	26,3	1397	2,23
3 x 35 RM/16	29,5	1792	2,57
3 x 50 RM/25	32,6	2371	3,03
3 x 70 RM/35	37,5	3269	3,88
3 x 95 RM/50	42,4	4364	4,88
3 x 120 RM/70	46,9	5521	5,72
3 x 150 RM/70	51,2	6601	6,90
3 x 185 RM/95	56,9	8295	8,27
3 x 240 RM/120	62,7	10440	9,91
4 x 1,5 RE/1,5	13,6	251	0,74
4 x 2,5 RE/2,5	15,0	322	0,85
4 x 4 RE/4	16,2	422	0,96
4 x 6 RE/6	18,3	555	1,14
4 x 10 RE/10	21,5	846	1,55
4 x 16 RM/16	24,8	1224	2,13
4 x 25 RM/16	28,9	1728	2,50
4 x 35 RM/16	31,7	2172	2,87
4 x 50 RM/25	35,4	2909	3,48
4 x 70 RM/35	41,2	4057	4,62
4 x 95 RM/50	46,5	5425	5,57
4 x 120 RM/70	51,0	6783	6,64
4 x 150 RM/70	55,7	8143	7,87
4 x 185 RM/95	62,2	10259	9,62
4 x 240 RM/120	68,6	12932	11,48
7 x 1,5 RE/2,5	15,8	350	0,96
7 x 2,5 RE/2,5	17,0	439	1,08
12 x 1,5 RE/2,5	19,0	497	1,30
12 x 2,5 RE/4	20,7	661	1,49
24 x 1,5 RE/6	24,2	846	2,01
24 x 2,5 RE/10	27,2	1166	2,31
30 x 1,5 RE/6	25,3	979	2,25
30 x 2,5 RE/10	28,5	1356	2,60

RE:  RM: 