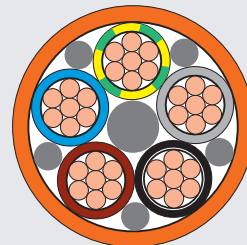


BETAflam® Sicherheitskabel**NHXH FE180/E30-E60** 0,6/1 kV, nach DIN VDE 0266, orange**BETAflam® Safety cables****NHXH FE180/E30-E60** 0,6/1 kV, acc. to DIN VDE 0266, orange**ANWENDUNG**

Starkstromkabel 0,6/1 kV für ortsfeste Verlegung in elektrischen Kabelanlagen mit verbessertem Verhalten im Brandfall und Funktionserhalt nach DIN 4102 Teil 12, z.B. für Sicherheitsbeleuchtungsanlagen, Brandmeldeanlagen, Rauchabzugsanlagen usw. Empfohlen in Gebäuden mit Menschenansammlungen und zum Schutz von Sachwerten.

AUFBAU

- ▶ **Leiter:** Kupfer blank
- ▶ **Bandierung:** MICA-Band
- ▶ **Aderisolation:** BETAflam® vernetzt
- ▶ **Gemeinsame Aderumhüllung:** Band oder Füller
- ▶ **Mantel:** BETAflam® Copolymer
- ▶ **Aderfarben:** nach VDE 0266 bzw. HD 308 S2
- ▶ **Mantelfarbe:** orange

TECHNISCHE DATEN

- ▶ **Nennspannung:** U_0/U 0,6/1 kV
- ▶ **Prüfspannung:** 4 kV mit 50 Hz
- ▶ **Zulässige Temperaturen:**
Betriebstemperatur von -30°C bis $+90^\circ\text{C}$
Verlegetemperatur von -5°C bis $+70^\circ\text{C}$
Kurzschlussstemperatur $+250^\circ\text{C}$ (Temperaturspitze $<5\text{s}$)
- ▶ **Biegeradien:** Einleiter Mehrleiter
bei Verlegung $>15 \times \text{Aussen-}\varnothing$ $>12 \times \text{Aussen-}\varnothing$
fest verlegt $>8 \times \text{Aussen-}\varnothing$ $>7 \times \text{Aussen-}\varnothing$
- ▶ **Verlegebedingungen:** Ortsfest in Innenräumen, in Luft oder Beton. Verlegung in Erde oder Wasser nur in trockenen Rohren. Verlegung im Freien nur geschützt vor direkter Sonneneinstrahlung und Fremdeinflüssen.

NORMEN / MATERIALEIGENSCHAFTEN

- ▶ **Halogenfrei:** IEC 60754-1, EN 50267-2-1, VDE 0482-267-2-1
- ▶ **Keine korrosiven Gase:** IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
- ▶ **Keine toxischen Gase:** NES 02-713, NFC 20-454
- ▶ **Geringe Rauchdichte:** IEC 61034-1 und -2, EN 61034-1 und -2, VDE 0482-1034-1 und -2
- ▶ **Flammwidrig:** IEC 60332-1, EN 60332-1, VDE 0482-332-1
- ▶ **Keine Brandfortleitung:** IEC 60332-3-10 und -3-24, EN 50266-1, -2-4, VDE 0482-266-1, -2-4
- ▶ **Isolationserhalt FE180:** IEC 60331-11 und -21, VDE 0472-814
- ▶ **Isolationserhalt mit Schlag:** EN 50200 PH90 (bis $\varnothing 20\text{ mm}$)
- ▶ **Funktionserhalt:** DIN 4102-12, E30 oder E60, abhängig vom Verlegesystem

APPLICATION

Power cable 0,6/1 kV for fixed installation in cable systems with improved fire performance and system circuit integrity to DIN 4102 part 12 for lighting of escape routes, fire alarm systems, smoke exhaust systems etc. Recommended in areas where people gather and for protection of valuables.

CONSTRUCTION

- ▶ **Conductors:** bare annealed copper
- ▶ **Flame barrier:** MICA tape
- ▶ **Insulation:** BETAflam® crosslinked
- ▶ **Inner covering:** tape or filler
- ▶ **Sheath:** BETAflam® copolymer
- ▶ **Core identification:** according to VDE 0266 resp. HD 308 S2
- ▶ **Sheath colour:** orange

TECHNICAL DATA

- ▶ **Rated voltage:** U_0/U 0,6/1 kV
- ▶ **Test voltage:** 4 kV with 50 Hz
- ▶ **Temperature range:**
Operation temperature from -30°C to $+90^\circ\text{C}$
Laying temperature from -5°C to $+70^\circ\text{C}$
Short circuit temperature $+250^\circ\text{C}$ (temperature peak $<5\text{s}$)
- ▶ **Bending radius:** single core multiple core
during laying $>15 \times \text{outer } \varnothing$ $>12 \times \text{outer } \varnothing$
fixed $>8 \times \text{outer } \varnothing$ $>7 \times \text{outer } \varnothing$
- ▶ **Laying conditions:** Fixed installation indoor, in air or concrete. Laying in earth or water only in water-proof dry tubes. Outdoor laying only when protected from direct sunlight and other external impacts.

STANDARDS / MATERIAL PROPERTIES

- ▶ **Halogen free:** IEC 60754-1, EN 50267-2-1, VDE 0482-267-2-1
- ▶ **No corrosive gases:** IEC 60754-2, EN 50267-2-2, VDE 0482-267-2-2
- ▶ **No toxic gases:** NES 02-713, NFC 20-454
- ▶ **Low smoke density:** IEC 61034-1 and -2, EN 61034-1 and -2, VDE 0482-1034-1 and -2
- ▶ **Flame retardant:** IEC 60332-1, EN 60332-1, VDE 0482-332-1
- ▶ **No flame propagation:** IEC 60332-3-10 and -3-24, EN 50266-1, -2-4, VDE 0482-266-1, -2-4
- ▶ **Circuit integrity FE180:** IEC 60331-11 and -21, VDE 0472-814
- ▶ **Circuit integrity with shock:** EN 50200 PH90 (up to $\varnothing 20\text{ mm}$)
- ▶ **System circuit integrity:** DIN 4102-12, E30 or E60, depending on laying system

VORTEILE

- ▶ Höchste Sicherheitseigenschaften
- ▶ Funktionserhalt nach DIN 4102 Teil 12
- ▶ Halogenfrei und silikonfrei
- ▶ RoHS-konform
- ▶ Kabel und Verlegesystem aus einer Hand

ADVANTAGES

- ▶ Highest safety standards
- ▶ System circuit integrity to DIN 4102 part 12
- ▶ Halogen free and silicone free
- ▶ In compliance with RoHS directive
- ▶ One source for cables and laying system

ABMESSUNGEN, GEWICHTE / DIMENSIONS, WEIGHT

| Typ Type | Kabelaufbau Construction | Artikel-Nr. Part no. | Artikel-Nr. Part no. | Ader- funktion Core function | Aussen-Ø Outer Ø | Gewicht Weight | Cu-Zahl Cu factor | Brutto-Preis Cu-Basis €0/100kg Gross price Cu basis €0/100kg |
|----------------------|-----------------------------|-------------------------|-------------------------|---------------------------------------|---------------------|-------------------|----------------------|---|
| | n x mm ² | SSG | SC-CH | | mm | kg/km | kg/km | EUR/km |
| NHXX-J FE180/E30-E60 | 1 x 4 RE | 10100200 | | PE | 7,4 | 101 | 38 | 1.246,00 |
| NHXX-J FE180/E30-E60 | 1 x 6 RE | 10100210 | | PE | 7,8 | 121 | 58 | 1.480,00 |
| NHXX-J FE180/E30-E60 | 1 x 10 RE | 10100220 | | PE | 8,6 | 166 | 96 | 1.737,00 |
| NHXX-J FE180/E30-E60 | 1 x 16 RM | 10100230 | | PE | 10,3 | 251 | 154 | 2.203,00 |
| NHXX-J FE180/E30-E60 | 1 x 25 RM | 10100240 | | PE | 11,8 | 358 | 240 | 2.764,00 |
| NHXX-J FE180/E30-E60 | 1 x 35 RM | 10100250 | | PE | 13,1 | 457 | 336 | 3.191,00 |
| NHXX-J FE180/E30-E60 | 1 x 50 RM | 10100260 | | PE | 14,4 | 603 | 480 | 3.737,00 |
| NHXX-J FE180/E30-E60 | 1 x 70 RM | 10100270 | | PE | 16,8 | 813 | 672 | 4.476,00 |
| NHXX-J FE180/E30-E60 | 1 x 95 RM | 10100280 | | PE | 19,0 | 1094 | 912 | 5.325,00 |
| NHXX-J FE180/E30-E60 | 1 x 120 RM | 10100290 | | PE | 21,2 | 1350 | 1152 | 6.050,00 |
| NHXX-J FE180/E30-E60 | 1 x 150 RM | 10100300 | | PE | 22,9 | 1647 | 1440 | 6.704,00 |
| NHXX-J FE180/E30-E60 | 1 x 185 RM | 10100310 | | PE | 25,2 | 2040 | 1776 | 7.921,00 |
| NHXX-J FE180/E30-E60 | 1 x 240 RM | 10100320 | | PE | 28,1 | 2623 | 2304 | 9.800,00 |
| NHXX-J FE180/E30-E60 | 1 x 300 RM | 10100330 | | PE | 32,2 | 3471 | 2880 | 13.780,00 |
| NHXX-J FE180/E30-E60 | 1 x 400 RM | 10100330 | | PE | 36,0 | 4300 | 3840 | 17.585,00 |
| NHXX-J FE180/E30-E60 | 1 x 500 RM | 10100330 | | PE | 40,0 | 5400 | 4800 | 25.958,00 |
| NHXX-O FE180/E30-E60 | 1 x 4 RE | 10110200 | | L | 7,4 | 101 | 38 | 1.246,00 |
| NHXX-O FE180/E30-E60 | 1 x 6 RE | 10110210 | | L | 7,8 | 121 | 58 | 1.480,00 |
| NHXX-O FE180/E30-E60 | 1 x 10 RE | 10110220 | | L | 8,6 | 166 | 96 | 1.737,00 |
| NHXX-O FE180/E30-E60 | 1 x 16 RM | 10110230 | 211997 | L | 10,3 | 251 | 154 | 2.203,00 |
| NHXX-O FE180/E30-E60 | 1 x 25 RM | 10110240 | | L | 11,8 | 358 | 240 | 2.764,00 |
| NHXX-O FE180/E30-E60 | 1 x 35 RM | 10110250 | | L | 13,1 | 457 | 336 | 3.191,00 |
| NHXX-O FE180/E30-E60 | 1 x 50 RM | 10110260 | | L | 14,4 | 603 | 480 | 3.737,00 |
| NHXX-O FE180/E30-E60 | 1 x 70 RM | 10110270 | | L | 16,8 | 813 | 672 | 4.476,00 |
| NHXX-O FE180/E30-E60 | 1 x 95 RM | 10110280 | | L | 19,0 | 1094 | 912 | 5.325,00 |
| NHXX-O FE180/E30-E60 | 1 x 120 RM | 10110290 | | L | 21,2 | 1350 | 1152 | 6.050,00 |
| NHXX-O FE180/E30-E60 | 1 x 150 RM | 10110300 | | L | 22,9 | 1647 | 1440 | 6.704,00 |
| NHXX-O FE180/E30-E60 | 1 x 185 RM | 10110310 | | L | 25,2 | 2040 | 1776 | 7.921,00 |
| NHXX-O FE180/E30-E60 | 1 x 240 RM | 10110320 | | L | 28,1 | 2623 | 2304 | 9.800,00 |
| NHXX-O FE180/E30-E60 | 1 x 300 RM | 10100330 | | L | 32,2 | 3471 | 2880 | 13.780,00 |
| NHXX-O FE180/E30-E60 | 1 x 400 RM | 10100340 | | L | 36,0 | 4300 | 3840 | 17.585,00 |
| NHXX-O FE180/E30-E60 | 1 x 500 RM | 10100350 | | L | 40,0 | 5400 | 4800 | 25.958,00 |
| NHXX-O FE180/E30-E60 | 2 x 1,5 RE | 10110410 | 191225 | LN | 11,8 | 167 | 29 | 1.915,00 |
| NHXX-O FE180/E30-E60 | 2 x 2,5 RE | 10110420 | | LN | 12,6 | 198 | 48 | 2.040,00 |
| NHXX-O FE180/E30-E60 | 2 x 4 RE | 10110430 | | LN | 13,3 | 233 | 77 | 2.761,00 |
| NHXX-O FE180/E30-E60 | 2 x 6 RE | 10110440 | | LN | 14,4 | 285 | 115 | 3.587,00 |
| NHXX-O FE180/E30-E60 | 2 x 10 RE | 10110450 | | LN | 16,0 | 408 | 192 | 4.350,00 |
| NHXX-O FE180/E30-E60 | 2 x 16 RM | 10110460 | | LN | 19,2 | 604 | 307 | 4.871,00 |
| NHXX-O FE180/E30-E60 | 2 x 25 RM | 10110470 | | LN | 22,1 | 839 | 480 | 6.470,00 |

| Typ Type | Kabelaufbau Construction | Artikel-Nr. Part no. | Artikel-Nr. Part no. | Ader- funktion Core function | Aussen-Ø Outer Ø | Gewicht Weight | Cu-Zahl Cu factor | Brutto-Preis Cu-Basis €0/100kg Gross price Cu basis €0/100kg | |
|-------------|-----------------------------|-------------------------|-------------------------|---------------------------------------|---------------------|-------------------|----------------------|---|-----------|
| | n x mm ² | SSG | SC-CH | | mm | kg/km | kg/km | EUR/km | |
| NHXXH-J | FE180/E30-E60 | 3 x 1,5 RE | 10100630 | 191227 | LNPE | 12,4 | 183 | 43 | 1.956,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 1,5 RE | *10100635 | *19122705 | LNPE | 12,4 | 183 | 43 | 1.956,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 2,5 RE | 10100640 | 191232 | LNPE | 13,3 | 222 | 72 | 2.368,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 2,5 RE | *10100645 | *19123205 | LNPE | 13,3 | 222 | 72 | 2.368,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 4 RE | 10100650 | 212066 | LNPE | 13,7 | 270 | 115 | 3.233,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 6 RE | 10100660 | 213927 | LNPE | 14,9 | 337 | 173 | 3.947,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 10 RE | 10100670 | 213945 | LNPE | 16,6 | 472 | 288 | 4.987,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 16 RM | 10100680 | 213946 | LNPE | 20,2 | 763 | 461 | 6.145,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 25 RM | 10100690 | 213928 | LNPE | 23,4 | 1115 | 720 | 9.061,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 35 RM | 10100700 | 217705 | LNPE | 25,9 | 1420 | 1008 | 12.955,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 50 RM | 10100710 | | LNPE | 30,0 | 2198 | 1440 | 14.175,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 70 RM | 10100720 | | LNPE | 34,5 | 3023 | 2016 | 16.835,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 95 RM | | | LNPE | 39,2 | 3461 | 2736 | 21.124,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 120 RM | | | LNPE | 43,7 | 4600 | 3456 | 27.669,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 150 RM | | | LNPE | 46,5 | 5400 | 4320 | 30.998,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 185 RM | | | LNPE | 52,0 | 6200 | 5328 | 36.113,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 25+16 RM | 10100800 | | 3LPE | 25,0 | 1505 | 874 | 11.016,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 35+16 RM | 10100802 | | 3LPE | 28,0 | 1850 | 1162 | 13.629,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 50+25 RM | 10100804 | | 3LPE | 32,0 | 2490 | 1680 | 15.216,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 70+35 RM | 10100806 | | 3LPE | 36,0 | 3389 | 2352 | 19.253,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 95+50 RM | 10100808 | | 3LPE | 41,0 | 4529 | 3216 | 24.464,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 120+70 RM | 10100810 | | 3LPE | 45,0 | 5562 | 4128 | 31.025,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 150+70 RM | 10100812 | | 3LPE | 49,0 | 6918 | 4992 | 36.373,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 185+95 RM | 10100814 | | 3LPE | 55,5 | 7351 | 6240 | 43.450,00 |
| NHXXH-J | FE180/E30-E60 | 3 x 240+120 RM | | | 3LPE | 61,9 | 9810 | 8064 | 57.564,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 1,5 RE | 10100850 | 191228 | 3LPE | 13,4 | 212 | 58 | 2.242,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 2,5 RE | 10100860 | 191233 | 3LPE | 14,4 | 275 | 96 | 2.528,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 4 RE | 10100870 | 213706 | 3LPE | 15,0 | 340 | 154 | 3.950,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 6 RE | 10100880 | 191236 | 3LPE | 16,2 | 427 | 230 | 4.582,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 10 RE | 10100890 | 191238 | 3LPE | 18,0 | 592 | 384 | 6.220,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 16 RM | 10100900 | 191240 | 3LPE | 22,1 | 944 | 614 | 9.962,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 25 RM | 10100910 | 191242 | 3LPE | 26,0 | 1434 | 960 | 12.456,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 35 RM | 10100920 | 191244 | 3LPE | 28,8 | 1864 | 1344 | 14.134,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 50 RM | 10100930 | 214474 | 3LPE | 32,6 | 2485 | 1920 | 18.147,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 70 RM | 10100940 | | 3LPE | 37,7 | 3321 | 2688 | 22.052,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 95 RM | 10100950 | 217616 | 3LPE | 43,5 | 4565 | 3648 | 27.017,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 120 RM | 10100960 | 220506 | 3LPE | 48,7 | 5610 | 4608 | 34.343,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 150 RM | 10100970 | | 3LPE | 53,1 | 6914 | 5760 | 41.268,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 185 RM | 10100980 | | 3LPE | 58,6 | 8890 | 7104 | 50.157,00 |
| NHXXH-J | FE180/E30-E60 | 4 x 240 RM | 10100990 | | 3LPE | 65,4 | 10960 | 9216 | 62.619,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 1,5 RE | 10101070 | 191229 | 3LNPE | 14,6 | 268 | 72 | 3.395,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 2,5 RE | 10101080 | 191234 | 3LNPE | 15,7 | 336 | 120 | 3.755,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 4 RE | 10101090 | 191235 | 3LNPE | 16,2 | 411 | 192 | 5.514,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 6 RE | 10101100 | 191237 | 3LNPE | 17,7 | 545 | 288 | 6.319,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 10 RE | 10101110 | 191239 | 3LNPE | 20,0 | 739 | 480 | 8.083,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 16 RM | 10101120 | 191241 | 3LNPE | 24,5 | 1204 | 768 | 11.858,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 25 RM | 10101130 | 191243 | 3LNPE | 28,7 | 1730 | 1200 | 14.691,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 35 RM | 10101140 | 191245 | 3LNPE | 32,2 | 2341 | 1680 | 16.680,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 50 RM | 10101150 | 213861 | 3LNPE | 36,1 | 3094 | 2400 | 21.431,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 70 RM | 10101160 | | 3LNPE | 42,2 | 4252 | 3360 | 26.042,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 95 RM | 10101170 | 212659 | 3LNPE | 48,3 | 5770 | 4560 | 31.683,00 |
| NHXXH-J | FE180/E30-E60 | 5 x 120 RM | 10101180 | | 3LNPE | 54,0 | 7300 | 5760 | 39.427,00 |

| Typ Type | Kabelaufbau Construction | Artikel-Nr. Part no. | Artikel-Nr. Part no. | Ader- funktion Core function | Aussen-Ø Outer Ø | Gewicht Weight | Cu-Zahl Cu factor | Brutto-Preis Cu-Basis €0/100kg Gross price Cu basis €0/100kg |
|------------------------------|-----------------------------|-------------------------|-------------------------|---------------------------------------|---------------------|-------------------|----------------------|---|
| | n × mm ² | SSG | SC-CH | | mm | kg/km | kg/km | EUR/km |
| NHXXH-J FE180/E30-E60 | 7 × 1,5 RE | 10101510 | 191230 | NRPE | 16,1 | 334 | 101 | 3.995,00 |
| NHXXH-J FE180/E30-E60 | 7 × 2,5 RE | 10101520 | 214473 | NRPE | 17,3 | 422 | 168 | 4.527,00 |
| NHXXH-J FE180/E30-E60 | 7 × 4 RE | 10101530 | | NRPE | 19,9 | 520 | 269 | 6.024,00 |
| NHXXH-J FE180/E30-E60 | 12 × 1,5 RE | 10102520 | 191231 | NRPE | 20,1 | 520 | 173 | 5.604,00 |
| NHXXH-J FE180/E30-E60 | 12 × 2,5 RE | 10102530 | | NRPE | 22,1 | 661 | 288 | 6.034,00 |
| NHXXH-J FE180/E30-E60 | 19 × 1,5 RE | 10103360 | | NRPE | 23,9 | 755 | 274 | 11.002,00 |
| NHXXH-J FE180/E30-E60 | 19 × 2,5 RE | 10103370 | | NRPE | 27,0 | 1186 | 456 | 12.712,00 |
| NHXXH-J FE180/E30-E60 | 24 × 1,5 RE | 10103870 | 213960 | NRPE | 27,7 | 961 | 346 | 13.105,00 |
| NHXXH-J FE180/E30-E60 | 24 × 2,5 RE | 10103880 | | NRPE | 30,1 | 1255 | 576 | 14.051,00 |
| NHXXH-J FE180/E30-E60 | 30 × 1,5 RE | 10104410 | | NRPE | 28,0 | 1105 | 432 | 13.907,00 |
| NHXXH-J FE180/E30-E60 | 30 × 2,5 RE | 10104420 | | NRPE | 32,4 | 1522 | 720 | 15.700,00 |

-J = mit grün-gelber Ader
 -O = ohne grün-gelbe Ader
 RE = rund eindrätig
 RM = rund mehrdrätig
 L = Phasenleiter braun, schwarz, grau
 N = Neutralleiter blau
 NR = Phasenleiter schwarz, nummeriert
 PE = Schutzleiter grün-gelb

* = in einer Länge 1 × 500m

Fett gedruckte Artikel-Nr. = Lagerartikel

Weitere Ausführungen auf Anfrage.

-J = with green-yellow conductor
 -O = without green-yellow conductor
 RE = round solid
 RM = round stranded
 L = phase conductor brown, black, grey
 N = neutral conductor blue
 NR = phase conductors black, numbered
 PE = earth conductor green-yellow

* = in one length 1 × 500m

Bold printed part no. = stock item

Further designs upon request.