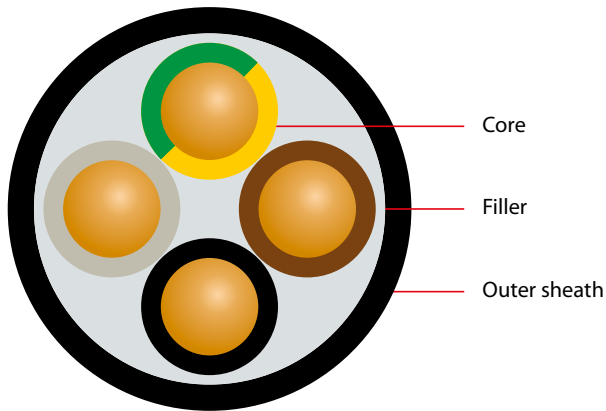


N2XY-O/J 0.6/1kV

acc. to VDE 0276-603



APPLICATION

For indoor and outdoor installation, in the ground, for power stations, industry and distribution boards or subscriber networks, where protection against contact voltage is required in the case of mechanical damage. (See DIN VDE 0298-1.) The core insulation of XLPE allows a higher operating temperature than a comparable cable with PVC core insulation.

CONSTRUCTION

Conductor: copper, bare, single-wire or multi-wire

Core insulation: XLPE (cross-linked polyethylene)

Core identification: colours acc. to DIN VDE 0293

Core stranding: cores twisted to layers

Outer sheath: PVC; colour: black

ELECTRICAL CHARACTERISTICS

Nominal voltage U_0 / U 0.6/1 kV

Test voltage 4 kV

THERMAL & MECHANICAL PROPERTIES

Operating temperature -5°C to +90°C

Temperature at conductor max. +90°C

CONDUCTOR TYPES

(acc. to DIN VDE 0295)

RE round, single-wire

RM round, multi-wire

RMv round, multi-wire, compressed SM sectorial form, multi-wire

SMv sectorial form, multi-wire, compressed

| No. of cores and cross section | | Diameter approx. mm | Cable weight approx. kg/km | Copper index kg/km |
|--------------------------------|-------|---------------------|----------------------------|--------------------|
| N2XY-O | | | | |
| 1 x 6 | RE | 9.0 | 125 | 58 |
| 1 x 10 | RE | 10.0 | 170 | 96 |
| 1 x 16 | RE | 11.0 | 235 | 154 |
| 1 x 25 | RM | 13.0 | 340 | 240 |
| 1 x 35 | RM | 14.0 | 440 | 336 |
| 1 x 50 | RM | 15.0 | 565 | 480 |
| 1 x 70 | RM | 17.0 | 775 | 672 |
| 1 x 95 | RM | 19.0 | 1030 | 912 |
| 1 x 120 | RM | 20.0 | 1270 | 1152 |
| 1 x 150 | RM | 22.0 | 1545 | 1440 |
| 1 x 185 | RM | 24.0 | 1905 | 1776 |
| 1 x 240 | RM | 27.0 | 2450 | 2304 |
| 1 x 300 | RM | 29.0 | 3020 | 2880 |
| 1 x 400 | RM | 32.0 | 3900 | 3840 |
| 1 x 500 | RM | 36.0 | 4940 | 4788 |
| 1 x 630 | RM | 41.0 | 6195 | 6048 |
| 1 x 800 | RM | 48.0 | 8160 | 7895 |
| 3 x 1.5 | RE | 12.0 | 215 | 43 |
| 3 x 2.5 | RE | 13.0 | 260 | 72 |
| 3 x 4 | RE | 14.0 | 330 | 115 |
| 3 x 6 | RE | 16.0 | 415 | 173 |
| 3 x 10 | RE | 17.0 | 575 | 288 |
| 3 x 16 | RE | 19.0 | 785 | 461 |
| 3 x 25 | RM | 25.0 | 1230 | 720 |
| 3 x 35 | SM | 25.0 | 1375 | 1008 |
| 3 x 50 | SM | 27.0 | 1800 | 1440 |
| 3 x 70 | SM | 31.0 | 2435 | 2016 |
| 3 x 95 | SM | 34.0 | 3280 | 2736 |
| 3 x 120 | SM | 38.0 | 4025 | 3456 |
| 3 x 150 | SM | 42.0 | 4985 | 4320 |
| 3 x 185 | SM | 47.0 | 6150 | 5328 |
| 3 x 240 | SM | 52.0 | 7915 | 6912 |
| 3 x 25/16 | RM/RE | 27.0 | 1490 | 874 |
| 3 x 35/16 | RM/RE | 28.0 | 1825 | 1162 |
| 3 x 50/25 | SM/RM | 30.0 | 2185 | 1680 |
| 3 x 70/35 | SM/RM | 35.0 | 3010 | 2352 |
| 3 x 95/50 | SM/RM | 39.0 | 4020 | 3216 |
| 3 x 120/70 | SM/RM | 43.0 | 5010 | 4128 |
| 3 x 150/70 | SM/RM | 48.0 | 6090 | 4992 |
| 3 x 185/95 | SM/RM | 53.0 | 7635 | 6240 |
| 3 x 240/120 | SM/RM | 59.0 | 9805 | 8064 |
| 3 x 300/150 | SM/RM | 65.0 | 12100 | 10080 |

Subject to changes due to technical progress and error



T.K. Kabel oHG · Geschwister-Scholl-Straße 11 · 71384 Weinstadt

Phone +49 (0) 7151/60 68 70 · Fax +49 (0) 7151/60 91 00 · info@tk-kabel.de · www.tk-kabel.de

| No. of cores and cross section | | Diameter approx. mm | Cable weight approx. kg/km | Copper index kg/km | No. of cores and cross section | | Diameter approx. mm | Cable weight approx. kg/km | Copper index kg/km |
|--------------------------------|----|---------------------|----------------------------|--------------------|--------------------------------|----|---------------------|----------------------------|--------------------|
| N2XY-O | | | | | N2XY-J | | | | |
| 4 x 1.5 | RE | 13.0 | 250 | 58 | 3 x 1.5 | RE | 12.0 | 215 | 43 |
| 4 x 2.5 | RE | 14.0 | 300 | 96 | 3 x 2.5 | RE | 13.0 | 260 | 72 |
| 4 x 4 | RE | 15.0 | 395 | 154 | 3 x 4 | RE | 14.0 | 325 | 115 |
| 4 x 6 | RE | 17.0 | 500 | 230 | 3 x 6 | RE | 15.0 | 405 | 173 |
| 4 x 10 | RE | 19.0 | 700 | 384 | 3 x 10 | RE | 17.0 | 565 | 288 |
| 4 x 16 | RE | 21.0 | 980 | 614 | 3 x 16 | RE | 19.0 | 780 | 461 |
| 4 x 16 | RM | 23.0 | 1040 | 614 | 3 x 25 | RM | 25.0 | 1230 | 720 |
| 4 x 25 | RM | 27.0 | 1525 | 960 | 3 x 35 | SM | 24.0 | 1385 | 1008 |
| 4 x 35 | SM | 27.0 | 1780 | 1344 | 3 x 50 | SM | 27.0 | 1790 | 1440 |
| 4 x 50 | SM | 30.0 | 2320 | 1920 | 3 x 70 | SM | 30.0 | 2425 | 2016 |
| 4 x 70 | SM | 35.0 | 3195 | 2688 | 3 x 95 | SM | 34.0 | 3265 | 2736 |
| 4 x 95 | SM | 39.0 | 4270 | 3648 | 3 x 120 | SM | 38.0 | 4000 | 3561 |
| 4 x 120 | SM | 43.0 | 5335 | 4608 | 3 x 150 | SM | 42.0 | 4945 | 4320 |
| 4 x 150 | SM | 48.0 | 6515 | 5760 | 3 x 185 | SM | 46.0 | 6100 | 5328 |
| 4 x 185 | SM | 53.0 | 8090 | 7104 | 3 x 240 | SM | 52.0 | 7900 | 6912 |
| 5 x 1.5 | RE | 14.0 | 285 | 72 | 4 x 1.5 | RE | 13.0 | 250 | 58 |
| 5 x 2.5 | RE | 15.0 | 355 | 120 | 4 x 2.5 | RE | 14.0 | 300 | 96 |
| 5 x 4 | RE | 16.0 | 460 | 192 | 4 x 4 | RE | 15.0 | 385 | 154 |
| 5 x 6 | RE | 18.0 | 590 | 288 | 4 x 6 | RE | 17.0 | 490 | 230 |
| 5 x 10 | RE | 20.0 | 845 | 480 | 4 x 10 | RE | 19.0 | 690 | 384 |
| 5 x 16 | RE | 23.0 | 1185 | 768 | 4 x 16 | RE | 21.0 | 965 | 614 |
| 5 x 16 | RM | 24.0 | 1255 | 768 | 4 x 16 | RM | 22.0 | 1005 | 614 |
| 7 x 1.5 | RE | 15.0 | 330 | 101 | 4 x 25 | RM | 26.0 | 1470 | 960 |
| 7 x 2.5 | RE | 16.0 | 415 | 168 | 4 x 35 | SM | 27.0 | 1770 | 1362 |
| 7 x 4 | RE | 18.0 | 550 | 269 | 4 x 50 | SM | 30.0 | 2310 | 1920 |
| 10 x 1.5 | RE | 18.0 | 440 | 144 | 4 x 70 | SM | 35.0 | 3185 | 2688 |
| 10 x 2.5 | RE | 19.0 | 565 | 240 | 4 x 95 | SM | 39.0 | 4255 | 3648 |
| 10 x 4 | RE | 21.0 | 770 | 384 | 4 x 120 | SM | 43.0 | 5320 | 4608 |
| 12 x 1.5 | RE | 18.0 | 480 | 173 | 4 x 150 | SM | 48.0 | 6465 | 5760 |
| 12 x 2.5 | RE | 20.0 | 620 | 288 | 4 x 185 | SM | 53.0 | 8070 | 7104 |
| 12 x 4 | RE | 22.0 | 855 | 461 | 4 x 240 | SM | 59.0 | 10425 | 9216 |
| 14 x 1.5 | RE | 19.0 | 530 | 202 | 4 x 300 | SM | 64.0 | 12880 | 11520 |
| 14 x 2.5 | RE | 21.0 | 690 | 336 | 5 x 1.5 | RE | 14.0 | 285 | 72 |
| 14 x 4 | RE | 23.0 | 960 | 538 | 5 x 2.5 | RE | 15.0 | 355 | 120 |
| 19 x 1.5 | RE | 21.0 | 645 | 274 | 5 x 4 | RE | 16.0 | 450 | 192 |
| 19 x 2.5 | RE | 23.0 | 835 | 456 | 5 x 6 | RE | 18.0 | 580 | 288 |
| 19 x 4 | RE | 25.0 | 1200 | 731 | 5 x 10 | RE | 20.0 | 825 | 480 |
| 24 x 1.5 | RE | 24.0 | 800 | 346 | 5 x 16 | RE | 22.0 | 1160 | 768 |
| 24 x 2.5 | RE | 26.0 | 1065 | 576 | 5 x 16 | RM | 24.0 | 1215 | 768 |
| 30 x 1.5 | RE | 25.0 | 925 | 432 | 7 x 1.5 | RE | 15.0 | 330 | 101 |
| 30 x 2.5 | RE | 27.0 | 1245 | 720 | 7 x 2.5 | RE | 16.0 | 415 | 168 |
| 40 x 1.5 | RE | 28.0 | 1155 | 576 | 7 x 4 | RE | 17.0 | 540 | 269 |
| 40 x 2.5 | RE | 30.0 | 1580 | 960 | | | | | |

Subject to changes due to technical progress and error



