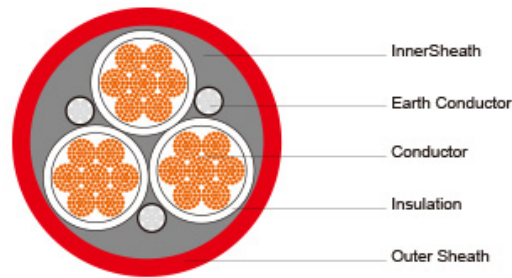


(N)TSCGEWOU Medium-Voltage Fixed Installation Cable Without Fibre Optics



Applications These cables are used for laying alongside the conveyor belts (also for shiftable units) and on material handling equipment (even with continuous movements such as in cable booms or as connection between upper and lower car) and for connection of submersible pump units.

Standards Based on VDE 0250 Part 813

Construction

Conductors Flexible stranded copper conductor, class 5 according to DIN VDE 0295.

Inner Conductor Layer Semiconductive layer.

Insulation EPR.

Outer Conductor Layer Semiconductive layer.

Earth Conductor Split into three in the outer interstices.

Inner Sheath EPR.

Outer Sheath CM.

Dimensions and Weight

3.6/6 kV

| Number of Cores x Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---|--------------------------|--------------------------|----------------|
| No. x mm ² | mm | mm | kg/km |
| 3x25+3x25/3 | 36.7 | 39.7 | 2320 |
| 3x25+3x50/3 | 40.6 | 43.6 | 2860 |
| 3x35+3x25/3 | 40.5 | 43.5 | 2860 |
| 3x35+3x50/3 | 42.3 | 45.3 | 3220 |
| 3x50+3x25/3 | 43.8 | 46.8 | 3500 |
| 3x50+3x50/3 | 43.8 | 46.8 | 3650 |
| 3x70+3x35/3 | 47.0 | 50.0 | 4360 |
| 3x70+3x50/3 | 49.7 | 53.7 | 5010 |
| 3x95+3x50/3 | 52.2 | 56.2 | 5550 |

| | | | |
|---------------|------|------|-------|
| 3x120+3x70/3 | 55.9 | 59.9 | 6690 |
| 3x150+3x70/3 | 61.0 | 65.0 | 8030 |
| 3x185+3x95/3 | 64.0 | 68.0 | 9320 |
| 3x240+3x120/3 | 72.1 | 76.1 | 11960 |
| 3x300+3x150/3 | 77.3 | 81.3 | 14260 |

6/10 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.xmm ² | mm | mm | kg/km |
| 3x25+3x25/3 | 39.0 | 42.0 | 2520 |
| 3x25+3x50/3 | 41.4 | 44.4 | 2930 |
| 3x35+3x25/3 | 41.8 | 44.8 | 2980 |
| 3x35+3x50/3 | 43.6 | 46.6 | 3350 |
| 3x50+3x25/3 | 45.1 | 48.1 | 3640 |
| 3x50+3x50/3 | 45.1 | 48.1 | 3780 |
| 3x70+3x35/3 | 48.3 | 51.3 | 4500 |
| 3x70+3x50/3 | 48.3 | 51.3 | 4730 |
| 3x95+3x50/3 | 53.5 | 57.5 | 5710 |
| 3x120+3x70/3 | 57.2 | 61.2 | 6860 |
| 3x150+3x70/3 | 62.3 | 66.3 | 8210 |
| 3x185+3x95/3 | 65.3 | 69.3 | 9510 |
| 3x240+3x120/3 | 73.4 | 77.4 | 12170 |
| 3x300+3x150/3 | 78.6 | 82.6 | 14500 |

8.7/15 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.xmm ² | mm | mm | kg/km |
| 3x25+3x25/3 | 42.5 | 45.5 | 2850 |
| 3x25+3x50/3 | 44.2 | 47.2 | 3210 |
| 3x35+3x25/3 | 45.3 | 48.3 | 3340 |
| 3x35+3x50/3 | 45.3 | 48.3 | 3480 |
| 3x50+3x25/3 | 49.4 | 53.4 | 4180 |
| 3x50+3x50/3 | 49.4 | 53.4 | 4320 |
| 3x70+3x35/3 | 52.7 | 56.7 | 5090 |
| 3x70+3x50/3 | 52.7 | 56.7 | 5310 |
| 3x95+3x50/3 | 57.0 | 61.0 | 6160 |
| 3x120+3x70/3 | 62.1 | 66.1 | 7550 |
| 3x150+3x70/3 | 65.7 | 69.7 | 8710 |

| | | | |
|---------------|------|------|-------|
| 3x185+3x95/3 | 68.7 | 72.7 | 10020 |
| 3x240+3x120/3 | 76.8 | 80.8 | 12750 |
| 3x300+3x150/3 | 82.0 | 86.0 | 15110 |

12/20 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.xmm ² | mm | mm | kg/km |
| 3x25+3x25/3 | 45.5 | 48.5 | 3150 |
| 3x25+3x50/3 | 45.5 | 48.5 | 3300 |
| 3x35+3x25/3 | 48.3 | 51.3 | 3660 |
| 3x35+3x50/3 | 48.3 | 51.3 | 3800 |
| 3x50+3x25/3 | 52.5 | 56.5 | 4540 |
| 3x50+3x50/3 | 52.5 | 56.5 | 4680 |
| 3x70+3x35/3 | 55.7 | 59.7 | 5460 |
| 3x70+3x50/3 | 55.7 | 59.7 | 5690 |
| 3x95+3x50/3 | 61.4 | 65.4 | 6770 |
| 3x120+3x70/3 | 65.1 | 69.1 | 7980 |
| 3x150+3x70/3 | 68.7 | 72.7 | 9170 |
| 3x185+3x95/3 | 73.2 | 77.2 | 10780 |
| 3x240+3x120/3 | 79.8 | 83.8 | 13280 |
| 3x300+3x150/3 | 86.3 | 91.3 | 16070 |

14/25 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.xmm ² | mm | mm | kg/km |
| 3x25+3x25/3 | 50.3 | 54.3 | 3750 |
| 3x25+3x50/3 | 50.3 | 54.3 | 3900 |
| 3x35+3x25/3 | 53.1 | 57.1 | 4290 |
| 3x35+3x50/3 | 53.1 | 57.1 | 4430 |
| 3x50+3x25/3 | 56.3 | 60.3 | 5020 |
| 3x50+3x50/3 | 56.3 | 60.3 | 5160 |
| 3x70+3x35/3 | 61.0 | 65.0 | 6190 |
| 3x70+3x50/3 | 61.0 | 65.0 | 6410 |
| 3x95+3x50/3 | 65.3 | 69.3 | 7340 |
| 3x120+3x70/3 | 69.0 | 73.0 | 8580 |
| 3x150+3x70/3 | 74.0 | 78.0 | 10050 |
| 3x185+3x95/3 | 77.0 | 81.0 | 11430 |
| 3x240+3x120/3 | 85.0 | 90.0 | 14400 |

| | | | |
|---------------|------|------|-------|
| 3x300+3x150/3 | 90.2 | 95.2 | 16860 |
|---------------|------|------|-------|

18/30kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.xmm ² | mm | mm | kg/km |
| 3x25+3x25/3 | 53.7 | 57.7 | 4160 |
| 3x25+3x50/3 | 53.7 | 57.7 | 4300 |
| 3x35+3x25/3 | 56.6 | 60.6 | 4730 |
| 3x35+3x50/3 | 56.6 | 60.6 | 4870 |
| 3x50+3x25/3 | 61.2 | 65.2 | 5700 |
| 3x50+3x50/3 | 61.2 | 65.2 | 5840 |
| 3x70+3x35/3 | 64.4 | 68.4 | 6680 |
| 3x70+3x50/3 | 64.4 | 68.4 | 6900 |
| 3x95+3x50/3 | 68.7 | 72.7 | 7860 |
| 3x120+3x70/3 | 73.8 | 77.8 | 9390 |
| 3x150+3x70/3 | 77.5 | 81.5 | 10660 |
| 3x185+3x95/3 | 80.5 | 84.5 | 12060 |
| 3x240+3x120/3 | 88.5 | 93.5 | 15090 |
| 3x300+3x150/3 | 94.7 | 99.7 | 17820 |