

(N)TSCGEWOU Medium-Voltage Reeling Cable With Fiber Optics

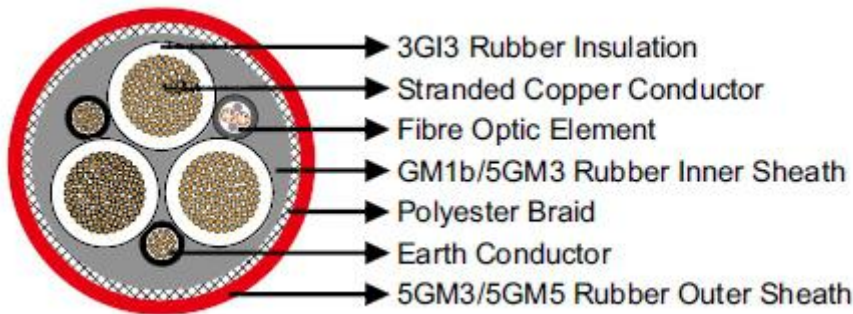
Applications

These cables are used for connection of large mobile equipment such as excavators and spreaders, gantry cranes, etc., under very high mechanical loads, suitable for motorised reeling on monospiral or level-wind reeler.

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 type 3GI3.

Outer Conductor Layer: Semiconductive layer.

Earth Conductor: Split into two in the outer interstices.

Inner Sheath: Rubber type GM1b/5GM3.

Fiber Optics: 12 FO 50/125 or 62.5/125 or E9/125µm within protection sheath.

Reinforcement: Polyester anti-torsion braid.

Outer Sheath: Rubber type 5GM3/5GM5, flame retardant and oil resistant.

Dimensions and Weight

3.6/6 kV

| Number of Cores × Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---|--------------------------|--------------------------|----------------|
| No. × mm ² | mm | mm | kg/km |
| 3×25+2×25/2+12×LWL | 39.0 | 42.0 | 2410 |
| 3×35+2×25/2+12×LWL | 42.0 | 45.0 | 2995 |
| 3×50+2×25/2+12×LWL | 45.0 | 48.0 | 3645 |
| 3×70+2×35/2+12×LWL | 50.0 | 54.0 | 4760 |
| 3×95+2×50/2+12×LWL | 54.0 | 58.0 | 5580 |
| 3×120+2×70/2+12×LWL | 58.0 | 62.0 | 6690 |
| 3×150+2×95/2+12×LWL | 63.0 | 67.0 | 7990 |
| 3×185+2×120/2+12×LWL | 67.0 | 72.0 | 9330 |

6/10 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.×mm ² | mm | mm | kg/km |
| 3×25+2×25/2+12×LWL | 40.0 | 43.0 | 2450 |
| 3×35+2×25/2+12×LWL | 43.0 | 46.0 | 3035 |
| 3×50+2×25/2+12×LWL | 46.0 | 49.0 | 3690 |
| 3×70+2×35/2+12×LWL | 51.0 | 55.0 | 4800 |
| 3×95+2×50/2+12×LWL | 55.0 | 59.0 | 5620 |
| 3×120+2×70/2+12×LWL | 59.0 | 63.0 | 6740 |
| 3×150+2×70/2+12×LWL | 64.0 | 68.0 | 8040 |
| 3×185+2×95/2+12×LWL | 68.0 | 72.0 | 9380 |

12/20 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.×mm ² | mm | mm | kg/km |
| 3×25+2×25/2+12×LWL | 46.0 | 49.0 | 3050 |
| 3×35+2×25/2+12×LWL | 49.0 | 52.0 | 3490 |
| 3×50+2×25/2+12×LWL | 53.0 | 57.0 | 4340 |
| 3×70+2×35/2+12×LWL | 57.0 | 61.0 | 5320 |
| 3×95+2×50/2+12×LWL | 61.0 | 65.0 | 6360 |
| 3×120+2×70/2+12×LWL | 67.0 | 71.0 | 7810 |
| 3×150+2×70/2+12×LWL | 70.0 | 74.0 | 8900 |
| 3×185+2×95/2+12×LWL | 76.0 | 80.0 | 10700 |

18/30 kV

| Number of Cores×Nominal Cross Section | Minimum Overall Diameter | Maximum Overall Diameter | Nominal Weight |
|---------------------------------------|--------------------------|--------------------------|----------------|
| No.×mm ² | mm | mm | kg/km |
| 3×25+2×25/2+12×LWL | 55.0 | 59.0 | 3960 |
| 3×35+2×25/2+12×LWL | 58.0 | 62.0 | 4550 |
| 3×50+2×25/2+12×LWL | 63.0 | 67.0 | 5510 |
| 3×70+2×35/2+12×LWL | 66.0 | 70.0 | 6560 |
| 3×95+2×50/2+12×LWL | 71.0 | 75.0 | 7850 |
| 3×120+2×70/2+12×LWL | 76.0 | 80.0 | 10690 |
| 3×185+2×95/2+12×LWL | 86.0 | 90.0 | 12550 |