

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

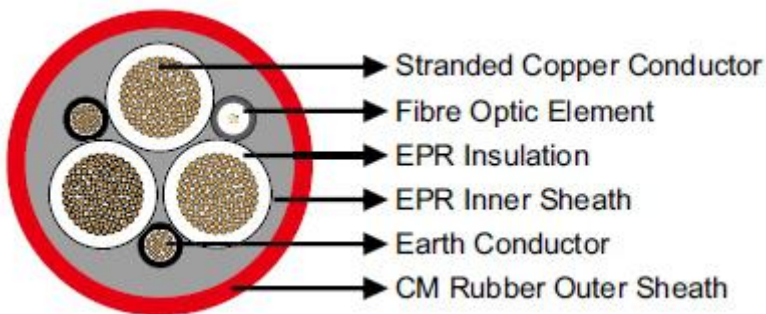
### Applications

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

### Standards

Based on VDE 0250 Part 813

### Construction



**Conductors:** Flexible strandedcopper conductor, class 5 according to DIN VDE 0295.

**Inner Conductor Layer: Semiconductive layer.**

**Insulation:** EPR.

**Outer Conductor Layer:Semiconductive layer.**

**Earth Conductor:** Split intotwo in the outer interstices.

**Fiber Optics: FO 50/125 or 62.5/125 orE9/125µm within protection sheath.**

**InnerSheath: EPR.**

**Outer Sheath: CM.**

### Dimensions and Weight

#### 3.6/6 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm <sup>2</sup>	mm	mm	kg/km
3×25+2×25/2+1×(6LWL)	40.1	43.1	2650
3×25+2×50/2+1×(6LWL)	42.4	45.4	3060
3×35+2×25/2+1×(6LWL)	42.3	45.3	3060
3×35+2×50/2+1×(6LWL)	44.0	47.0	3410
3×50+2×25/2+1×(6LWL)	43.8	46.8	3490
3×50+2×50/2+1×(6LWL)	46.1	49.1	3640
3×70+2×35/2+1×(6LWL)	47.0	50.0	4350

3×70+2×50/2+1×(6LWL)	52.0	56.0	5280
3×95+2×50/2+1×(6LWL)	52.2	56.2	5550
3×120+2×70/2+1×(6LWL)	49.6	50.9	7040
3×150+2×70/2+1×(6LWL)	48.4	52.3	8000
3×185+2×95/2+1×(6LWL)	51.3	55.3	9310
3×240+2×120/2+1×(6LWL)	58.0	62.0	11940
3×300+2×150/2+1×(6LWL)	63.2	67.2	14230

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm <sup>2</sup>	mm	mm	kg/km
3×25+2×25/2+1×(6LWL)	41.4	44.4	2770
3×25+2×50/2+1×(6LWL)	43.1	46.1	3120
3×35+2×25/2+1×(6LWL)	43.6	46.6	3190
3×35+2×50/2+1×(6LWL)	44.7	47.7	3470
3×50+2×25/2+1×(6LWL)	45.1	48.1	3620
3×50+2×50/2+1×(6LWL)	46.8	49.8	4010
3×70+2×35/2+1×(6LWL)	48.3	51.3	4500
3×70+2×50/2+1×(6LWL)	52.7	56.7	5360
3×95+2×50/2+1×(6LWL)	53.5	57.5	5710
3×120+2×70/2+1×(6LWL)	57.2	61.2	6830
3×150+2×70/2+1×(6LWL)	62.3	66.3	8180
3×185+2×95/2+1×(6LWL)	65.3	69.3	9500
3×240+2×120/2+1×(6LWL)	73.4	77.4	12160
3×300+2×150/2+1×(6LWL)	78.6	82.6	14460

**6/10 kV**

**8.7/15 kV**

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm <sup>2</sup>	mm	mm	kg/km
3×25+2×25/2+1×(6LWL)	44.2	47.2	3050
3×25+2×50/2+1×(6LWL)	45.4	48.4	3350
3×35+2×25/2+1×(6LWL)	45.3	48.3	3320
3×35+2×50/2+1×(6LWL)	47.0	50.0	3710
3×50+2×25/2+1×(6LWL)	49.4	53.4	4160
3×50+2×50/2+1×(6LWL)	51.2	55.2	4590
3×70+2×35/2+1×(6LWL)	52.7	56.7	5080

3×70+2×50/2+1×(6LWL)	55.0	59.0	5640
3×95+2×50/2+1×(6LWL)	57.0	61.0	6160
3×120+2×70/2+1×(6LWL)	62.1	66.1	7520
3×150+2×70/2+1×(6LWL)	65.7	69.7	8670
3×185+2×95/2+1×(6LWL)	68.7	72.7	10010
3×240+2×120/2+1×(6LWL)	76.8	80.8	12730
3×300+2×150/2+1×(6LWL)	82.0	86.0	15080

## 12/20 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm <sup>2</sup>	mm	mm	kg/km
3×25+2×25/2+1×(6LWL)	45.5	48.5	3140
3×25+2×50/2+1×(6LWL)	47.2	50.2	3530
3×35+2×25/2+1×(6LWL)	48.3	51.3	3640
3×35+2×50/2+1×(6LWL)	51.0	55.0	4240
3×50+2×25/2+1×(6LWL)	52.5	56.5	4530
3×50+2×50/2+1×(6LWL)	52.5	56.5	4690
3×70+2×35/2+1×(6LWL)	55.7	59.7	5460
3×70+2×50/2+1×(6LWL)	58.0	62.0	6040
3×95+2×50/2+1×(6LWL)	61.4	65.4	6770
3×120+2×70/2+1×(6LWL)	65.1	69.1	7950
3×150+2×70/2+1×(6LWL)	68.7	72.7	9130
3×185+2×95/2+1×(6LWL)	73.2	77.2	10770
3×240+2×120/2+1×(6LWL)	79.8	83.8	13260
3×300+2×150/2+1×(6LWL)	86.3	91.3	16040

## 14/25 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm <sup>2</sup>	mm	mm	kg/km
3×25+2×25/2+1×(6LWL)	50.3	54.3	3740
3×25+2×50/2+1×(6LWL)	50.3	54.3	3900
3×35+2×25/2+1×(6LWL)	53.1	57.1	4270
3×35+2×50/2+1×(6LWL)	53.1	57.1	4440
3×50+2×25/2+1×(6LWL)	56.3	60.3	5000
3×50+2×50/2+1×(6LWL)	56.3	60.3	5160
3×70+2×35/2+1×(6LWL)	61.0	65.0	6190
3×70+2×50/2+1×(6LWL)	61.0	65.0	6390

3×95+2×50/2+1×(6LWL)	65.3	69.3	7340
3×120+2×70/2+1×(6LWL)	69.0	73.0	8550
3×150+2×70/2+1×(6LWL)	74.0	78.0	10020
3×185+2×95/2+1×(6LWL)	77.0	81.0	11410
3×240+2×120/2+1×(6LWL)	85.0	90.0	14380
3×300+2×150/2+1×(6LWL)	90.2	95.2	16820

## 18/30 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. × mm <sup>2</sup>	mm	mm	kg/km
3×25+2×25/2+1×(6LWL)	53.7	57.7	4140
3×25+2×50/2+1×(6LWL)	53.7	57.7	4310
3×35+2×25/2+1×(6LWL)	56.6	60.6	4720
3×35+2×50/2+1×(6LWL)	56.6	60.6	4880
3×50+2×25/2+1×(6LWL)	61.2	65.2	5680
3×50+2×50/2+1×(6LWL)	61.2	65.2	5840
3×70+2×35/2+1×(6LWL)	64.4	68.4	6670
3×70+2×50/2+1×(6LWL)	64.4	68.4	6870
3×95+2×50/2+1×(6LWL)	68.7	72.7	7860
3×120+2×70/2+1×(6LWL)	73.8	77.8	9350
3×150+2×70/2+1×(6LWL)	77.5	81.5	10630
3×185+2×95/2+1×(6LWL)	80.5	84.5	12040
3×240+2×120/2+1×(6LWL)	88.5	93.5	15070
3×300+2×150/2+1×(6LWL)	94.7	99.7	17780