(N)TSCGEWOEU Medium Voltage Fixed Installation Cable With Fiber Optics

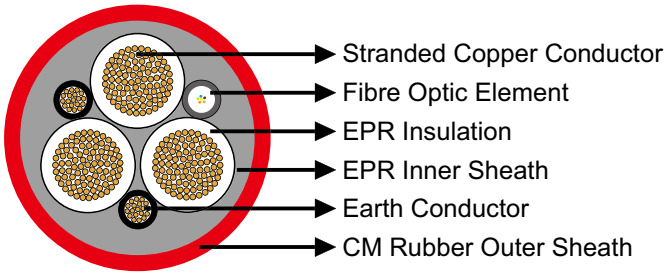
» Applications

These cables are used for For laying alongside the conveyor belts (also for shiftable units) and on material handling equipment (even with continuous movement 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 two in the outer interstices.
Fiber Optics: FO 50/125 or 62.5/125 or E9/125µm within protection sheath.
Inner Sheath: EPR.
Outer Sheath: CM.

» Dimensions and Weight

3.6/6 kV

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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

6/10 kV

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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

8.7/15 kV

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
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	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	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