



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

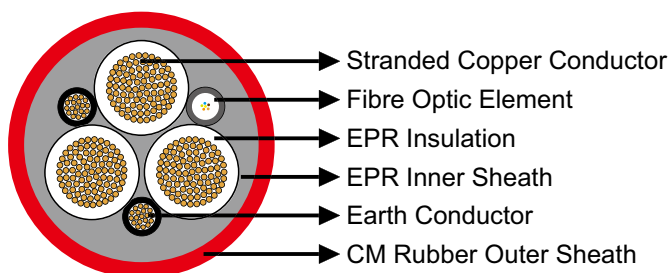
» Applications

These cables are used 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.

Caledonian Mining Cables

Cables for Open-cast Mining



» 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+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	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	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



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8.7/15 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+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 ²	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 ²	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

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Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	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	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	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