



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

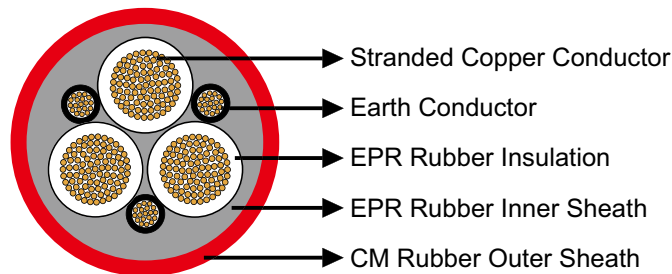
#### » Applications

These cables are used for laying alongside the conveyor belts (also for shiftable units) and on material handling equipment (even with continuous 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 three in the outer interstices.

**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 <sup>2</sup>	mm	mm	kg/km
3×25+3×25/3	36.7	39.7	2320
3×25+3×50/3	40.6	43.6	2860
3×35+3×25/3	40.5	43.5	2860
3×35+3×50/3	42.3	45.3	3220
3×50+3×25/3	43.8	46.8	3500
3×50+3×50/3	43.8	46.8	3650
3×70+3×35/3	47.0	50.0	4360
3×70+3×50/3	49.7	53.7	5010
3×95+3×50/3	52.2	56.2	5550
3×120+3×70/3	55.9	59.9	6690
3×150+3×70/3	61.0	65.0	8030
3×185+3×95/3	64.0	68.0	9320
3×240+3×120/3	72.1	76.1	11960
3×300+3×150/3	77.3	81.3	14260

#### 6/10 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+3×25/3	39.0	42.0	2520
3×25+3×50/3	41.4	44.4	2930
3×35+3×25/3	41.8	44.8	2980
3×35+3×50/3	43.6	46.6	3350
3×50+3×25/3	45.1	48.1	3640
3×50+3×50/3	45.1	48.1	3780
3×70+3×35/3	48.3	51.3	4500
3×70+3×50/3	48.3	51.3	4730
3×95+3×50/3	53.5	57.5	5710
3×120+3×70/3	57.2	61.2	6860
3×150+3×70/3	62.3	66.3	8210
3×185+3×95/3	65.3	69.3	9510
3×240+3×120/3	73.4	77.4	12170
3×300+3×150/3	78.6	82.6	14500



### 8.7/15 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm <sup>2</sup>	mm	mm	kg/km
3×25+3×25/3	42.5	45.5	2850
3×25+3×50/3	44.2	47.2	3210
3×35+3×25/3	45.3	48.3	3340
3×35+3×50/3	45.3	48.3	3480
3×50+3×25/3	49.4	53.4	4180
3×50+3×50/3	49.4	53.4	4320
3×70+3×35/3	52.7	56.7	5090
3×70+3×50/3	52.7	56.7	5310
3×95+3×50/3	57.0	61.0	6160
3×120+3×70/3	62.1	66.1	7550
3×150+3×70/3	65.7	69.7	8710
3×185+3×95/3	68.7	72.7	10020
3×240+3×120/3	76.8	80.8	12750
3×300+3×150/3	82.0	86.0	15110

### 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+3×25/3	45.5	48.5	3150
3×25+3×50/3	45.5	48.5	3300
3×35+3×25/3	48.3	51.3	3660
3×35+3×50/3	48.3	51.3	3800
3×50+3×25/3	52.5	56.5	4540
3×50+3×50/3	52.5	56.5	4680
3×70+3×35/3	55.7	59.7	5460
3×70+3×50/3	55.7	59.7	5690
3×95+3×50/3	61.4	65.4	6770
3×120+3×70/3	65.1	69.1	7980
3×150+3×70/3	68.7	72.7	9170
3×185+3×95/3	73.2	77.2	10780
3×240+3×120/3	79.8	83.8	13280
3×300+3×150/3	86.3	91.3	16070

### 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+3×25/3	50.3	54.3	3750

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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+3×50/3	50.3	54.3	3900
3×35+3×25/3	53.1	57.1	4290
3×35+3×50/3	53.1	57.1	4430
3×50+3×25/3	56.3	60.3	5020
3×50+3×50/3	56.3	60.3	5160
3×70+3×35/3	61.0	65.0	6190
3×70+3×50/3	61.0	65.0	6410
3×95+3×50/3	65.3	69.3	7340
3×120+3×70/3	69.0	73.0	8580
3×150+3×70/3	74.0	78.0	10050
3×185+3×95/3	77.0	81.0	11430
3×240+3×120/3	85.0	90.0	14400
3×300+3×150/3	90.2	95.2	16860

### 18/30kV

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+3×25/3	53.7	57.7	4160
3×25+3×50/3	53.7	57.7	4300
3×35+3×25/3	56.6	60.6	4730
3×35+3×50/3	56.6	60.6	4870
3×50+3×25/3	61.2	65.2	5700
3×50+3×50/3	61.2	65.2	5840
3×70+3×35/3	64.4	68.4	6680
3×70+3×50/3	64.4	68.4	6900
3×95+3×50/3	68.7	72.7	7860
3×120+3×70/3	73.8	77.8	9390
3×150+3×70/3	77.5	81.5	10660
3×185+3×95/3	80.5	84.5	12060
3×240+3×120/3	88.5	93.5	15090
3×300+3×150/3	94.7	99.7	17820