



NTSCGEWOU Flexible Medium Voltage Trailing Cable

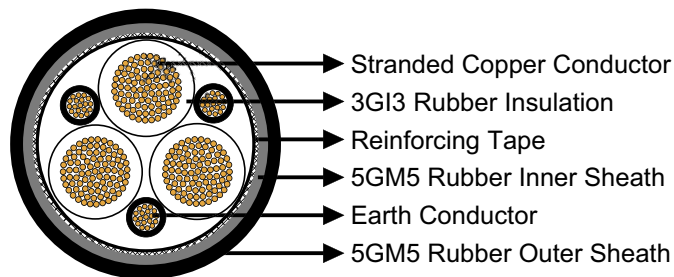
» Applications

These cables are used as power supply or connection cables for large material handling machines, e.g. excavators in open-cast mines subject to extremely high mechanical stresses. Particularly suitable for applications in which abrasion and chaffing stresses are to be expected in trailing operation.

» Standards

VDE 0250 Part 813

» Construction



Conductors: Flexible stranded tinned copper conductor, class 5 according to DIN VDE 0295.

Inner Conductor Layer: Semiconductive layer.

Insulation: Rubber type 3GI3.

Outer Conductor Layer: Semiconductive layer.

Earth Conductor: Split into three in the outer interstices or Individual concentric distributed over core insulating coverings (coding.../3E).

Reinforcing Tape: Extremely tear-resistant reinforcing tape.

Inner Sheath: Rubber type 5GM5, abrasion and tear resistant, oil and ozone resistant.

Outer Sheath: Rubber type 5GM5, abrasion and tear resistant, oil and ozone resistant, inseparably bonded with inner sheath.



» Dimensions and Weight

1.8/3kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3×25+3×25/3	38.5	41.5	2470
3×35+3×25/3	42.9	45.9	3080
3×50+3×25/3	46.1	49.1	3750
3×70+3×35/3	49.7	53.7	4690
3×95+3×50/3	57.4	61.4	6210
3×120+3×70/3	61.2	65.2	7430
3×150+3×70/3	66.7	70.7	8900
3×185+3×95/3	70.6	74.6	10330
3×25+2×25/2+1×10ST	40.3	44.3	2470
3×35+2×25/2+1×10ST	42.9	46.9	3080
3×50+2×25/2+1×10ST	46.8	50.8	3750
3×70+2×35/2+1×10ST	51.5	55.5	4690
3×95+2×50/2+1×10ST	57.4	62.4	6210
3×120+2×70/2+1×10ST	63.6	68.6	7430
3×150+2×70/2+1×10ST	67.2	72.2	8900
3×185+2×95/2+1×10ST	70.2	75.2	10330

3.6/6kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3×25+3×25/3	44.6	47.6	3080
3×35+3×25/3	47.6	50.6	3590
3×50+3×25/3	52.4	56.4	4520
3×70+3×35/3	56.3	60.3	5520
3×95+3×50/3	59.9	63.9	6580
3×120+3×70/3	65.6	69.6	8110
3×150+3×70/3	69.3	73.3	9320
3×185+3×95/3	73.2	77.2	10780
3×25+2×25/2+1×10ST	45.0	49.0	3200
3×35+2×25/2+1×10ST	47.6	51.6	3680
3×50+2×25/2+1×10ST	53.0	57.0	4640
3×70+2×35/2+1×10ST	56.2	60.2	5550
3×95+2×50/2+1×10ST	61.8	66.8	6650
3×120+2×70/2+1×10ST	66.1	71.1	8160
3×150+2×70/2+1×10ST	69.8	74.8	9340
3×185+2×95/2+1×10ST	74.6	79.6	10890

Caledonian Mining Cables

Cables for Open-cast Mining



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+3×25/3	46.4	49.4	3270
3×35+3×25/3	49.1	53.1	3800
3×50+3×25/3	54.1	58.1	4750
3×70+3×35/3	58.0	62.0	5750
3×95+3×50/3	61.7	65.7	6830
3×120+3×70/3	67.4	71.4	8380
3×150+3×70/3	71.0	75.0	9620
3×185+3×95/3	76.7	80.7	11430
3×25+2×25/2+1×10ST	46.8	50.8	3410
3×35+2×25/2+1×10ST	50.9	54.9	3890
3×50+2×25/2+1×10ST	54.5	58.9	4860
3×70+2×35/2+1×10ST	58.0	62.0	5780
3×95+2×50/2+1×10ST	63.5	68.5	6920
3×120+2×70/2+1×10ST	67.8	72.8	8450
3×150+2×70/2+1×10ST	71.5	76.5	9620
3×185+2×95/2+1×10ST	76.3	81.3	10980

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+3×25/3	52.6	56.6	4040
3×35+3×25/3	55.6	59.6	4630
3×50+3×25/3	58.9	62.9	5370
3×70+3×35/3	64.5	68.5	6720
3×95+3×50/3	68.2	72.2	7850
3×120+3×70/3	72.1	76.1	9130
3×150+3×70/3	77.6	81.6	10750
3×185+3×95/3	81.5	85.5	12290
3×25+2×25/2+1×10ST	53.0	57.0	4130
3×35+2×25/2+1×10ST	55.6	59.6	4740
3×50+2×25/2+1×10ST	59.3	63.3	5470
3×70+2×35/2+1×10ST	64.6	68.6	6820
3×95+2×50/2+1×10ST	68.3	73.3	7950
3×120+2×70/2+1×10ST	74.4	79.4	9240
3×150+2×70/2+1×10ST	78.1	83.1	10860
3×185+2×95/2+1×10ST	81.1	86.1	12400



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+3×25/3	56.9	60.9	4620
3×35+3×25/3	59.9	63.9	5220
3×50+3×25/3	65.0	69.0	6300
3×70+3×35/3	68.9	72.9	7410
3×95+3×50/3	72.5	76.5	8560
3×120+3×70/3	78.2	82.2	10260
3×150+3×70/3	81.9	85.9	11570
3×185+3×95/3	87.4	92.4	13530
3×25+2×25/2+1×10ST	57.3	61.3	4770
3×35+2×25/2+1×10ST	59.9	63.9	5340
3×50+2×25/2+1×10ST	65.4	69.4	6460
3×70+2×35/2+1×10ST	68.8	72.8	7450
3×95+2×50/2+1×10ST	74.4	79.4	8680
3×120+2×70/2+1×10ST	78.7	83.7	10370
3×150+2×70/2+1×10ST	82.2	87.2	11650
3×185+2×95/2+1×10ST	87.0	92.0	13090

14/25kV

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+1×10ST	64.7	68.7	5940
3×35+2×25/2+1×10ST	67.3	71.3	6470
3×50+2×25/2+1×10ST	71.0	75.0	7300
3×70+2×35/2+1×10ST	75.2	80.2	8800
3×95+2×50/2+1×10ST	80.0	85.0	10050
3×120+2×70/2+1×10ST	85.9	90.9	11470
3×150+2×70/2+1×10ST	89.6	94.6	13210
3×185+2×95/2+1×10ST	92.6	97.6	14860

18/30kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3×25+3×25/3	69.5	73.5	6680
3×35+3×25/3	72.5	76.5	7380
3×50+3×25/3	77.6	81.6	8460
3×70+3×35/3	81.5	85.5	9690
3×95+3×50/3	84.9	89.9	10960
3×120+3×70/3	90.6	95.6	12830

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Cables for Open-cast Mining



Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3×150+3×70/3	94.3	99.3	14250
3×185+3×95/3	100.0	105.0	16390
3×25+2×25/2+1×10ST	69.9	73.9	7100
3×35+2×25/2+1×10ST	72.6	76.6	7540
3×50+2×25/2+1×10ST	78.0	82.0	8680
3×70+2×35/2+1×10ST	80.4	85.4	9760
3×95+2×50/2+1×10ST	86.8	91.8	11100
3×120+2×70/2+1×10ST	91.1	96.1	12980
3×150+2×70/2+1×10ST	94.8	99.8	14350
3×185+2×95/2+1×10ST	99.6	104.6	15870