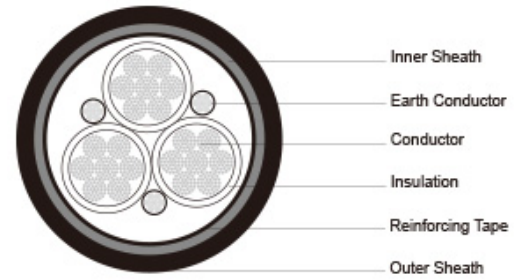


NTSCGEWOU Flexible Medium-Voltage Trailing Cable



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 strandedcopper conductor, class 5 according to DIN VDE 0295.

Inner Conductor Layer

Semiconductive layer.

Insulation

Rubbertype 3GI3.

Outer Conductor Layer

Semiconductive layer.

Earth Conductor

Split into three in theouter interstices or Individual concentric distributed over core insulating coverings (coding...../3E).

Reinforcing Tape

Extremely tear-resistant reinforcing tape.

InnerSheath

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

3x185+3x95/3	70.6	74.6	10330
3x25+2x25/2+1x10ST	40.3	44.3	2470
3x35+2x25/2+1x10ST	42.9	46.9	3080
3x50+2x25/2+1x10ST	46.8	50.8	3750
3x70+2x35/2+1x10ST	51.5	55.5	4690
3x95+2x50/2+1x10ST	57.4	62.4	6210
3x120+2x70/2+1x10ST	63.6	68.6	7430
3x150+2x70/2+1x10ST	67.2	72.2	8900
3x185+2x95/2+1x10ST	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
3x25+3x25/3	44.6	47.6	3080
3x35+3x25/3	47.6	50.6	3590
3x50+3x25/3	52.4	56.4	4520
3x70+3x35/3	56.3	60.3	5520
3x95+3x50/3	59.9	63.9	6580
3x120+3x70/3	65.6	69.6	8110
3x150+3x70/3	69.3	73.3	9320
3x185+3x95/3	73.2	77.2	10780
3x25+2x25/2+1x10ST	45	49	3200
3x35+2x25/2+1x10ST	47.6	51.6	3680
3x50+2x25/2+1x10ST	53	57	4640
3x70+2x35/2+1x10ST	56.2	60.2	5550
3x95+2x50/2+1x10ST	61.8	66.8	6650
3x120+2x70/2+1x10ST	66.1	71.1	8160
3x150+2x70/2+1x10ST	69.8	74.8	9340
3x185+2x95/2+1x10ST	74.6	79.6	10890

6/10 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm ²	mm	mm	kg/km
3x25+3x25/3	46.4	49.4	3270
3x35+3x25/3	49.1	53.1	3800
3x50+3x25/3	54.1	58.1	4750
3x70+3x35/3	58	62	5750
3x95+3x50/3	61.7	65.7	6830

3x120+3x70/3	67.4	71.4	8380
3x150+3x70/3	71	75	9620
3x185+3x95/3	76.7	80.7	11430
3x25+2x25/2+1x10ST	46.8	50.8	3410
3x35+2x25/2+1x10ST	50.9	54.9	3890
3x50+2x25/2+1x10ST	54.5	58.9	4860
3x70+2x35/2+1x10ST	58	62	5780
3x95+2x50/2+1x10ST	63.5	68.5	6920
3x120+2x70/2+1x10ST	67.8	72.8	8450
3x150+2x70/2+1x10ST	71.5	76.5	9620
3x185+2x95/2+1x10ST	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
3x25+3x25/3	52.6	56.6	4040
3x35+3x25/3	55.6	59.6	4630
3x50+3x25/3	58.9	62.9	5370
3x70+3x35/3	64.5	68.5	6720
3x95+3x50/3	68.2	72.2	7850
3x120+3x70/3	72.1	76.1	9130
3x150+3x70/3	77.6	81.6	10750
3x185+3x95/3	81.5	85.5	12290
3x25+2x25/2+1x10ST	53	57	4130
3x35+2x25/2+1x10ST	55.6	59.6	4740
3x50+2x25/2+1x10ST	59.3	63.3	5470
3x70+2x35/2+1x10ST	64.6	68.6	6820
3x95+2x50/2+1x10ST	68.3	73.3	7950
3x120+2x70/2+1x10ST	74.4	79.4	9240
3x150+2x70/2+1x10ST	78.1	83.1	10860
3x185+2x95/2+1x10ST	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
3x25+3x25/3	56.9	60.9	4620
3x35+3x25/3	59.9	63.9	5220
3x50+3x25/3	65	69	6300

3x70+3x35/3	68.9	72.9	7410
3x95+3x50/3	72.5	76.5	8560
3x120+3x70/3	78.2	82.2	10260
3x150+3x70/3	81.9	85.9	11570
3x185+3x95/3	87.4	92.4	13530
3x25+2x25/2+1x10ST	57.3	61.3	4770
3x35+2x25/2+1x10ST	59.9	63.9	5340
3x50+2x25/2+1x10ST	65.4	69.4	6460
3x70+2x35/2+1x10ST	68.8	72.8	7450
3x95+2x50/2+1x10ST	74.4	79.4	8680
3x120+2x70/2+1x10ST	78.7	83.7	10370
3x150+2x70/2+1x10ST	82.2	87.2	11650
3x185+2x95/2+1x10ST	87	92	13090

14/25kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.×mm ²	mm	mm	kg/km
3x25+2x25/2+1x10ST	64.7	68.7	5940
3x35+2x25/2+1x10ST	67.3	71.3	6470
3x50+2x25/2+1x10ST	71	75	7300
3x70+2x35/2+1x10ST	75.2	80.2	8800
3x95+2x50/2+1x10ST	80	85	10050
3x120+2x70/2+1x10ST	85.9	90.9	11470
3x150+2x70/2+1x10ST	89.6	94.6	13210
3x185+2x95/2+1x10ST	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
3x25+3x25/3	69.5	73.5	6680
3x35+3x25/3	72.5	76.5	7380
3x50+3x25/3	77.6	81.6	8460
3x70+3x35/3	81.5	85.5	9690
3x95+3x50/3	84.9	89.9	10960
3x120+3x70/3	90.6	95.6	12830
3x150+3x70/3	94.3	99.3	14250
3x185+3x95/3	100	105	16390
3x25+2x25/2+1x10ST	69.9	73.9	7100

3x35+2x25/2+1x10ST	72.6	76.6	7540
3x50+2x25/2+1x10ST	78	82	8680
3x70+2x35/2+1x10ST	80.4	85.4	9760
3x95+2x50/2+1x10ST	86.8	91.8	11100
3x120+2x70/2+1x10ST	91.1	96.1	12980
3x150+2x70/2+1x10ST	94.8	99.8	14350
3x185+2x95/2+1x10ST	99.6	104.6	15870