XINLAN®

NTSCGEWOEU Flexible Medium-Voltage Trailing Cable

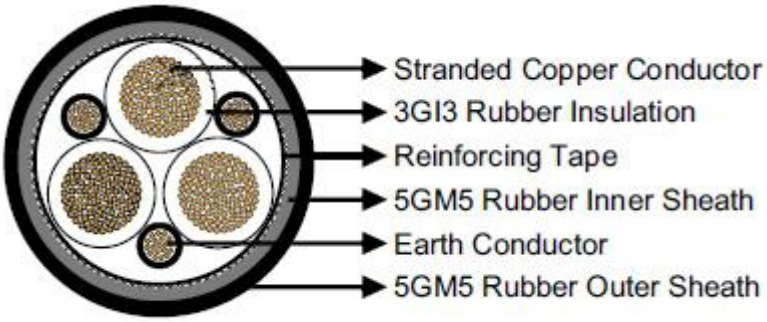
Applications

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: Semi conductive layer.

Insulation: Rubber type 3GI3.

Outer Conductor Layer:Semi conductive 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	**Minimium Overall Diameter**	**Maximum Overall Diameter**	Nominal Weight
No.×mm²	**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

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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	**Minimium Overall Diameter**	**Maximum Overall Diameter**	Nominal Weight
No.×mm²	**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

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+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

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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	**Minimium Overall Diameter**	**Maximum Overall Diameter**	Nominal Weight
No.×mm²	**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	**Minimium Overall Diameter**	**Maximum Overall Diameter**	Nominal Weight
No.×mm²	**mm**	**mm**	**kg/km**
3×25+3×25/3	56.9	60.9	4620

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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	**Minimium Overall Diameter**	**Maximum Overall Diameter**	Nominal Weight
No.×mm²	**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	**Minimium Overall Diameter**	**Maximum Overall Diameter**	Nominal Weight
No.×mm²	**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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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

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