(N)TSCGEWOEU Medium Voltage Reeling Cable

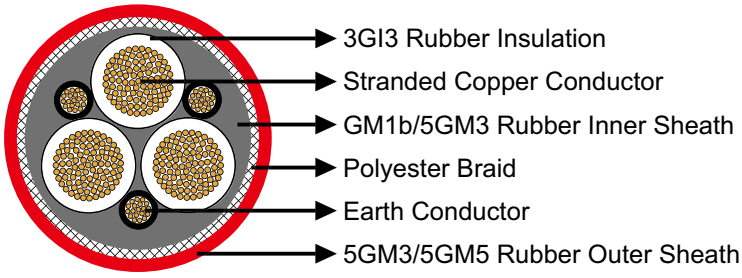
Without Fibre Optics

» Applications

These cables are used for connection of large mobile equipment such as excavators and spreaders, loading bridges, gantry cranes, construction machines, etc., under very high mechanical loads, in dry or damp environment, also in environments with high explosion risk.

» 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 type 3GI3.
Outer Conductor Layer: Semiconductive layer.
Earth Conductor: Incorporated as a fourth core or distributed within the outer interstices.
Inner Sheath: Rubber type GM1b/5GM3.
Reinforcement: Polyester anti-torsion braid.
Outer Sheath: Chlorinated rubber type 5GM3/5GM5, flame retardant and oil resistant.

» Dimensions and Weight

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	39.0	42.0	2410
3×35+3×25/3	42.0	45.0	2995
3×50+3×25/3	45.0	48.0	3645
3×70+3×35/3	50.0	54.0	4760
3×95+3×50/3	54.0	58.0	5580

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×120+3×70/3	58.0	62.0	6690
3×150+3×70/3	63.0	67.0	7990
3×185+3×95/3	67.0	72.0	9330

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	40.0	43.0	2450
3×35+3×25/3	43.0	46.0	3035
3×50+3×25/3	46.0	49.0	3690
3×70+3×35/3	51.0	55.0	4800
3×95+3×50/3	55.0	59.0	5620
3×120+3×70/3	59.0	63.0	6740
3×150+3×70/3	64.0	68.0	8040
3×185+3×95/3	69.0	74.0	9380

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	42.1	45.1	2707
3×25+3×50/3	43.8	46.8	3062
3×35+3×25/3	44.9	47.9	3198
3×35+3×50/3	44.9	47.9	3382
3×50+3×25/3	49.5	53.5	4083
3×50+3×50/3	49.5	53.5	4267
3×70+3×35/3	53.1	57.1	5028
3×70+3×50/3	53.1	57.1	5303
3×95+3×50/3	57.3	61.3	6216
3×120+3×70/3	63.0	67.0	7673
3×150+3×70/3	66.6	70.6	8852
3×185+3×95/3	70.5	74.5	10351
3×240+3×120/3	78.0	82.0	13125
3×300+3×150/3	84.9	89.9	16020

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	46.0	49.0	3050
3×35+3×25/3	49.0	52.0	3490

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×50+3×25/3	53.0	57.0	4340
3×70+3×35/3	57.0	61.0	5320
3×95+3×50/3	61.0	65.0	6360
3×120+3×70/3	67.0	71.0	7810
3×150+3×70/3	70.0	74.0	8900
3×185+3×95/3	76.0	80.0	10700

14/25 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×25+3×25/3	49.9	53.9	3542
3×25+3×50/3	49.9	53.9	3726
3×35+3×25/3	52.7	56.7	4075
3×35+3×50/3	52.7	56.7	4258
3×50+3×25/3	56.4	60.4	4872
3×50+3×50/3	56.4	60.4	5054
3×70+3×35/3	61.5	65.5	6083
3×70+3×50/3	61.5	65.5	6356
3×95+3×50/3	65.8	69.8	7303
3×120+3×70/3	69.9	73.9	8652
3×150+3×70/3	75.0	79.0	10139
3×185+3×95/3	78.9	82.9	11705
3×240+3×120/3	86.2	91.2	14670
3×300+3×150/3	91.8	96.8	17332

18/30kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×25+3×25/3	55.0	59.0	3960
3×35+3×25/3	58.0	62.0	4550
3×50+3×25/3	63.0	67.0	5510
3×70+3×35/3	66.0	70.0	6560
3×95+3×50/3	71.0	75.0	7850
3×120+3×70/3	76.0	80.0	9410
3×150+3×70/3	80.0	84.0	10690
3×185+3×95/3	86.0	90.0	12550