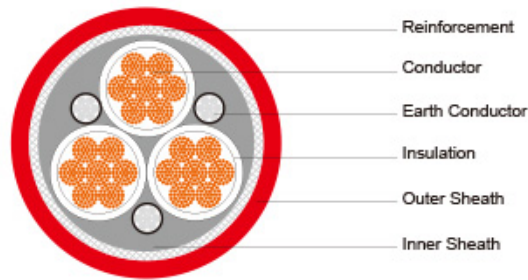


(N)TSCGEWOU Medium-Voltage Reeling Cable Without Fibre Optics



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 x Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. x mm ²	mm	mm	kg/km
3x25+3x25/3	39	42	2410
3x35+3x25/3	42	45	2995
3x50+3x25/3	45	48	3645
3x70+3x35/3	50	54	4760
3x95+3x50/3	54	58	5580
3x120+3x70/3	58	62	6690
3x150+3x70/3	63	67	7990
3x185+3x95/3	67	72	9330

6/10 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.xmm ²	mm	mm	kg/km
3×25+3×25/3	40	43	2450
3×35+3×25/3	43	46	3035
3×50+3×25/3	46	49	3690
3×70+3×35/3	51	55	4800
3×95+3×50/3	55	59	5620
3×120+3×70/3	59	63	6740
3×150+3×70/3	64	68	8040
3×185+3×95/3	69	74	9380

8.7/15 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.xmm ²	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	67	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	82	13125
3×300+3×150/3	84.9	89.9	16020

12/20 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.xmm ²	mm	mm	kg/km
3×25+3×25/3	46	49	3050
3×35+3×25/3	49	52	3490

3x50+3x25/3	53	57	4340
3x70+3x35/3	57	61	5320
3x95+3x50/3	61	65	6360
3x120+3x70/3	67	71	7810
3x150+3x70/3	70	74	8900
3x185+3x95/3	76	80	10700

14/25 kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.xmm ²	mm	mm	kg/km
3x25+3x25/3	49.9	53.9	3542
3x25+3x50/3	49.9	53.9	3726
3x35+3x25/3	52.7	56.7	4075
3x35+3x50/3	52.7	56.7	4258
3x50+3x25/3	56.4	60.4	4872
3x50+3x50/3	56.4	60.4	5054
3x70+3x35/3	61.5	65.5	6083
3x70+3x50/3	61.5	65.5	6356
3x95+3x50/3	65.8	69.8	7303
3x120+3x70/3	69.9	73.9	8652
3x150+3x70/3	75	79	10139
3x185+3x95/3	78.9	82.9	11705
3x240+3x120/3	86.2	91.2	14670
3x300+3x150/3	91.8	96.8	17332

18/30kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No.xmm ²	mm	mm	kg/km
3x25+3x25/3	55	59	3960
3x35+3x25/3	58	62	4550
3x50+3x25/3	63	67	5510
3x70+3x35/3	66	70	6560
3x95+3x50/3	71	75	7850
3x120+3x70/3	76	80	9410
3x150+3x70/3	80	84	10690
3x185+3x95/3	86	90	12550

