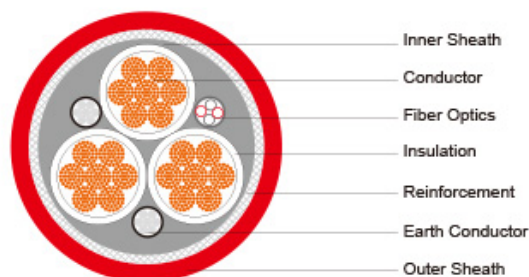


(N)TSCGEWOU Medium-Voltage Reeling Cable With Fiber Optics



Applications

These cables are used for connection of large mobile equipment such as excavators and spreaders, gantry cranes, etc., under very high mechanical loads, suitable for motorised reeling on monospiral or level-wind reelers.

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

Split into two in the outer interstices.

Inner Sheath

Rubber type GM1b/5GM3.

Reinforcement

Polyester anti-torsion braid.

Outer Sheath

Rubber type 5GM3/5GM5, flame retardant and oil resistant.

Dimensions and Weight

3.6/6 kV

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+12×LWL	39	42	2410
3×35+2×25/2+12×LWL	42	45	2995
3×50+2×25/2+12×LWL	45	48	3645
3×70+2×35/2+12×LWL	50	54	4760
3×95+2×50/2+12×LWL	54	58	5580
3×120+2×70/2+12×LWL	58	62	6690
3×150+2×70/2+12×LWL	63	67	7990
3×185+2×95/2+12×LWL	67	72	9330

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+2×25/2+12×LWL	40	43	2450
3×35+2×25/2+12×LWL	43	46	3035
3×50+2×25/2+12×LWL	46	49	3690
3×70+2×35/2+12×LWL	51	55	4800
3×95+2×50/2+12×LWL	55	59	5620
3×120+2×70/2+12×LWL	59	63	6740
3×150+2×70/2+12×LWL	64	68	8040
3×185+2×95/2+12×LWL	68	72	9380

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+2×25/2+12×LWL	46	49	3050
3×35+2×25/2+12×LWL	49	52	3490
3×50+2×25/2+12×LWL	53	57	4340
3×70+2×35/2+12×LWL	57	61	5320
3×95+2×50/2+12×LWL	61	65	6360
3×120+2×70/2+12×LWL	67	71	7810
3×150+2×70/2+12×LWL	70	74	8900
3×185+2×95/2+12×LWL	76	80	10700

18/30 kV

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+12×LWL	55	59	3960
3×35+2×25/2+12×LWL	58	62	4550
3×50+2×25/2+12×LWL	63	67	5510
3×70+2×35/2+12×LWL	66	70	6560
3×95+2×50/2+12×LWL	71	75	7850
3×120+2×70/2+12×LWL	76	80	10690
3×185+2×95/2+12×LWL	86	90	12550