



(N)TSCGEW0EU Medium Voltage Reeling Cable With Fiber Optics

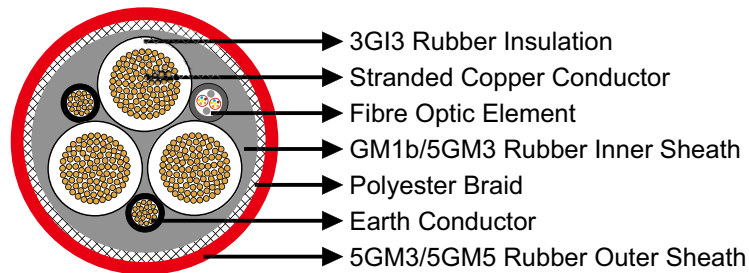
» Applications

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.

Fiber Optics: 12 FO 50/125 or 62.5/125 or E9/125µm within protection sheath.

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	39.0	42.0	2410
3×35+2×25/2+12×LWL	42.0	45.0	2995
3×50+2×25/2+12×LWL	45.0	48.0	3645
3×70+2×35/2+12×LWL	50.0	54.0	4760
3×95+2×50/2+12×LWL	54.0	58.0	5580
3×120+2×70/2+12×LWL	58.0	62.0	6690
3×150+2×70/2+12×LWL	63.0	67.0	7990
3×185+2×95/2+12×LWL	67.0	72.0	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	40.0	43.0	2450
3×35+2×25/2+12×LWL	43.0	46.0	3035
3×50+2×25/2+12×LWL	46.0	49.0	3690
3×70+2×35/2+12×LWL	51.0	55.0	4800
3×95+2×50/2+12×LWL	55.0	59.0	5620
3×120+2×70/2+12×LWL	59.0	63.0	6740
3×150+2×70/2+12×LWL	64.0	68.0	8040
3×185+2×95/2+12×LWL	68.0	72.0	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	46.0	49.0	3050
3×35+2×25/2+12×LWL	49.0	52.0	3490
3×50+2×25/2+12×LWL	53.0	57.0	4340
3×70+2×35/2+12×LWL	57.0	61.0	5320
3×95+2×50/2+12×LWL	61.0	65.0	6360
3×120+2×70/2+12×LWL	67.0	71.0	7810
3×150+2×70/2+12×LWL	70.0	74.0	8900
3×185+2×95/2+12×LWL	76.0	80.0	10700

Caledonian Mining Cables

Cables for Open-cast Mining



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	55.0	59.0	3960
3×35+2×25/2+12×LWL	58.0	62.0	4550
3×50+2×25/2+12×LWL	63.0	67.0	5510
3×70+2×35/2+12×LWL	66.0	70.0	6560
3×95+2×50/2+12×LWL	71.0	75.0	7850
3×120+2×70/2+12×LWL	76.0	80.0	10690
3×185+2×95/2+12×LWL	86.0	90.0	12550