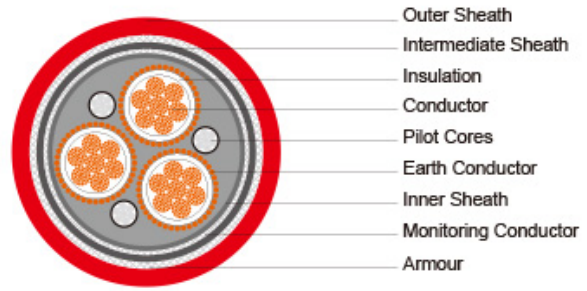


N3GHSSYCY Medium-Voltage Cable



Applications	These cables are used for the connection of mobile operating equipment, in mines and underground excavations with hazardous environments, in stationary operation, e.g. high-voltage transformers in mining and tunnelling.
Standards	VDE 0250 Part 605
Construction	
Conductors	Flexible stranded copper conductor, class 5 according to DIN VDE 0295.
Insulation	EPR compound type 3GI3.
Electrical Control	Field Inner and outer semiconductive layer of semiconductive rubber, for 6 kV outer semiconductive layer only.
Pilot Cores	Stranded copper conductor with EPR insulation.
Earth Conductor	Spiral of copper wires over the outer semi-conductive layer of the cores.
Inner Sheath	PVC compound type YM5.
Monitoring Conductor	Conductive tape serving and overall concentric Cu wire spinning.
Intermediate Sheath	PVC compound type YM5.
Armour	Braid of galvanized steel wires.
Outer Sheath	PVC compound type YM5.

Dimensions and Weight

3.6/6kV

Number of Cores × Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. × mm ²	mm	mm	kg/km
3×25+3×16/3E+3×2.5ST+UEL	49.0	53.0	4190
3×35+3×16/3E+3×2.5ST+UEL	52.0	56.0	4800
3×50+3×25/3E+3×2.5ST+UEL	55.0	59.0	5600
3×70+3×35/3E+3×2.5ST+UEL	59.0	63.0	6650

3x95+3x50/3E+3x2.5ST+UEL	63.0	67.0	7940
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6/10kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3x25+3x16/3E+3x2.5ST+UEL	55.0	58.0	5300
3x35+3x16/3E+3x2.5ST+UEL	58.0	61.0	5910
3x50+3x25/3E+3x2.5ST+UEL	61.0	65.0	6790
3x70+3x35/3E+3x2.5ST+UEL	65.0	69.0	7860
3x95+3x50/3E+3x2.5ST+UEL	68.0	73.0	9180

8.7/15kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3x25+3x16/3E+3x2.5ST+UEL	58.0	62.0	6810
3x35+3x16/3E+3x2.5ST+UEL	61.0	65.0	7850
3x50+3x25/3E+3x2.5ST+UEL	64.7	68.7	9130
3x70+3x35/3E+3x2.5ST+UEL	67.9	71.9	10750
3x95+3x50/3E+3x2.5ST+UEL	72.4	76.4	12290

12/20kV

Number of Cores×Nominal Cross Section	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	kg/km
3x25+3x16/3E+3x2.5ST+UEL	62.3	66.3	8790
3x35+3x16/3E+3x2.5ST+UEL	65.3	69.3	9930
3x50+3x25/3E+3x2.5ST+UEL	69.0	73.0	11360
3x70+3x35/3E+3x2.5ST+UEL	72.2	76.2	13100
3x95+3x50/3E+3x2.5ST+UEL	76.8	80.8	14750