(N)TSCGECWOEU Medium Voltage Trailing Cable

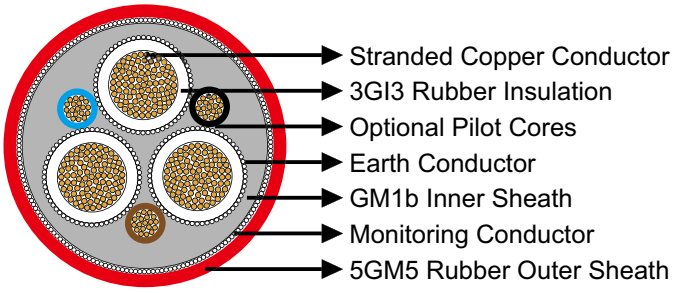
» Applications

These cables are used for the connection of electrical equipment, in mines and underground excavations with hazardous environments under particularly high mechanical loads, e.g. high-voltage transformers on power lines in underground mining and tunnelling.

» Standards

Based on VDE 0250 Part 813

» Construction



Conductors: Flexible stranded copper conductor, class 5 according to DIN VDE 0295.
Inner Conductor Layer: Special rubber compound, conductive.
Insulation: Rubber type 3GI3.
Outer Conductor Layer: Special rubber compound, conductive, easy strippable.
Pilot Cores (optional): Tinned copper conductor with EPR insulation.
Earth Conductor: Spiral of tinned copper wires.
Inner Sheath: Rubber type GM1b.
Monitoring Shield/Armour: Braided armour of combined copper-steel wires; or wrap of copper and steel wires, copper tape in opposite direction, reinforcing tape.
Outer Sheath: Rubber type 5GM5.

» Dimensions and Weight

6/10kV

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×25+3×16/3E+3×2.5ST+6UEL	48.0	52.0	3500
3×35+3×16/3E+3×2.5ST+6UEL	51.0	55.0	3750
3×50+3×25/3E+3×2.5ST+6UEL	56.0	60.0	4720
3×95+3×50/3E+3×2.5ST+6UEL	66.0	71.0	7260
3×120+3×70/3E+6UEL	70.0	75.0	9700
3×150+3×70/3E+6UEL	73.0	78.0	9950

12/20 (24) kV

Number of Cores×Nominal Cross Section	Minimium Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm²	mm	mm	kg/km
3×25+3×25/3E+6UEL	62.0	67.0	5800
3×95+3×50/3E+6UEL	74.0	78.0	11000
3×120+3×70/3E+6UEL	80.0	85.0	13000