



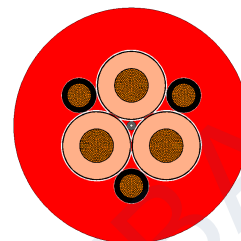
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

(N)TSCGEWÖU (SB)

6/10 kV and 12/20 kV trailing cable



APPLICATION

Medium-voltage trailing cable for dry, damp and wet locations, open-pit mines, tunnels, quarries and plants where resistance to friction, rubbing and heavy mechanical effects is required.

CONSTRUCTION

Component	Description
Conductor	Tinned, fine-stranded copper conductor
Inner semi-conductive layer	Semi-conductive rubber layer over the conductor
Insulation	EPR insulation
Outer semi-conductive layer	Semi-conductive rubber layer over the insulation
Outer sheath	Oil and flame resistant rubber outer sheath
Sheath colour	Red

CHARACTERISTICS

- Oil and flame resistant medium-voltage trailing cable.
- Designed for resistance to friction, rubbing and heavy mechanical effects.
- Flexible construction for moving machinery, mines, tunnels and quarries.
- Permanent tensile force: 15 N/mm².

OPERATING CHARACTERISTICS

Parameter	Value
Voltage rating U ₀ /U	6/10 kV; 12/20 kV
Permissible operating temperature	90 °C
Maximum short circuit temperature	200 °C
Installation temperature	Min -15 °C
Permanent tensile force	15 N/mm ²
Current carrying capacity basis	30 °C ambient temperature

STANDARDS

Parameter	Value
Cable standard	TSEK 370
Flame retardant	IEC 60332-1-2
Regulatory compliance	RoHS

TECHNICAL DATA

TECHNICAL FEATURES

Values are technical parameters only. Cable dimensions may vary due to manufacturing tolerances.

Voltage	Rated cross-section	Cu factor 1000 m	OD mm	Net weight kg/km	DC res. ohm/km	Surface A	Length m
6/10 kV							
6/10 kV	3 x 35 + 3 x 25 / 3	1.310	48.0	3.780	0.565	162	500
6/10 kV	3 x 50 + 3 x 25 / 3	1.764	53.9	4.670	0.393	202	500
6/10 kV	3 x 70 + 3 x 50 / 3	2.470	64.3	5.730	0.277	250	250
6/10 kV	3 x 95 + 3 x 50 / 3	3.437	66.9	7.090	0.210	301	250
12/20 kV							
12/20 kV	3 x 25 + 3 x 25 / 3	1.008	62.0	4.570	0.795	131	1000
12/20 kV	3 x 35 + 3 x 25 / 3	1.310	64.0	4.960	0.565	162	1000
12/20 kV	3 x 50 + 3 x 25 / 3	1.764	71.0	6.360	0.393	202	1000
12/20 kV	3 x 70 + 3 x 35 / 3	2.470	76.0	7.500	0.277	250	1000
12/20 kV	3 x 95 + 3 x 50 / 3	3.437	78.0	7.480	0.210	301	500
12/20 kV	3 x 120 + 3 x 70 / 3	4.328	82.0	9.780	0.164	352	500

Current carrying capacities are valid at 30 °C ambient temperature.

NOTES

- Cable dimensions and weights are approximate values.
- Select cable accessories according to actual cable dimensions.

CERTIFICATIONS



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