



TEBAOFLEX CABLE

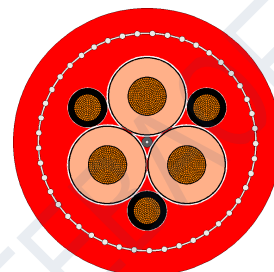
DATA SHEET

Mining&Industrial cable

(N)TSCGEWOU (SMK)

Oil and flame resistant medium voltage trailing cable

Voltage rating: 3.6/6 kV - 6/10 kV.



APPLICATION

Used in dry, damp and wet places, externally and where heavy mechanical effects exist, in mines, lift and transfer rolled trolley systems and similar machines as trailing and feeding cables.

CONSTRUCTION

Component	Description
Standard	TSEK 370
Conductor material	Tinned copper
Conductor construction	Fine-stranded
Insulation	EPR
Electrical field control	Inner and outer semiconductive layers
Inner sheath	Rubber inner sheath
Torsion protection	Synthetic yarn braiding
Outer sheath	Rubber outer sheath
Colour of outer sheath	Red
Flame-retardant	IEC 60332-1-2
Oil-resistant	Yes

CHARACTERISTICS

Parameter	Value
Voltage rating	3.6/6 kV - 6/10 kV
Maximum operating temperature	90 deg C
Maximum short-circuit temperature	200 deg C
Maximum moving speed	120 m/min
Installation temperature	Min. 0 deg C
Permanent tensile force	15 N/mm ²

STANDARDS

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

TECHNICAL DATA

DIMENSIONS AND ELECTRICAL DATA

3.6/6 kV						
Rated cross-section (mm ²)	Cu factor (kg/1000 m)	Overall diameter (mm)	Net weight (kg/km)	DC resistance at 20 deg C (Ohm/km)	Current capacity on surface (A)	Delivery length (m)
3 x 25 + 3 x 25 / 3	1008	48.2	3080	0.795	131	500
3 x 35 + 3 x 25 / 3	1310	51.2	3650	0.565	162	500
3 x 50 + 3 x 25 / 3	1764	56.9	4520	0.393	202	500
3 x 70 + 3 x 35 / 3	2470	60.8	5520	0.277	250	500
3 x 95 + 3 x 50 / 3	3437	64.5	6580	0.210	301	500
3 x 120 + 3 x 70 / 3	4328	70.2	8110	0.164	352	250

6/10 kV						
Rated cross-section (mm ²)	Cu factor (kg/1000 m)	Overall diameter (mm)	Net weight (kg/km)	DC resistance at 20 deg C (Ohm/km)	Current capacity on surface (A)	Delivery length (m)
3 x 25 + 3 x 25 / 3	1008	49.9	3270	0.795	131	500
3 x 35 + 3 x 25 / 3	1310	53.6	3860	0.565	162	500
3 x 50 + 3 x 25 / 3	1764	58.7	4750	0.393	202	500
3 x 70 + 3 x 35 / 3	2470	62.5	5750	0.277	250	500
3 x 95 + 3 x 50 / 3	3437	66.2	6380	0.210	301	500
3 x 120 + 3 x 70 / 3	4328	71.9	8380	0.164	352	250

NOTES

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

TABLE LEGEND

Symbol	Meaning
Cu factor	Copper factor per 1000 m
Overall diameter	Approximate cable outer diameter
Net weight	Approximate net weight
DC resistance	Conductor DC resistance at 20 deg C
Current capacity	Operating carrying capacity on surface
Delivery length	Approximate delivery length

CERTIFICATIONS



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