



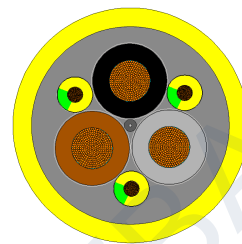
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

NTSWÖU-J

0.6/1 kV tunnel trailing cable



APPLICATION

Cable for dry, damp and wet locations where mechanical effects are present, including mines, trolley systems, cranes and tunnelling applications as trailing and power supply cable.

CONSTRUCTION

Component	Description
Conductor	Electrolytic stranded tinned copper wire, DIN VDE 0295 Class 5
Insulation	All cores insulated with 3GI3 compound according to DIN VDE 0207 Part 20
Lay up	All cores laid up in contact with each other and interstitial ground cores
Inner sheath	Special elastomeric compound GM1b according to DIN VDE 0207 Part 21
Outer sheath	Heavy-duty elastomer 5GM5 according to DIN VDE 0207 Part 21
Outer jacket colour	Yellow or black

CHARACTERISTICS

- Designed for tunnel, mine and crane power supply applications.
- Flame retardant and oil resistant construction.
- Heavy-duty elastomeric sheath for demanding mechanical conditions.
- Suitable for trailing use in mobile equipment.

OPERATING CHARACTERISTICS

Parameter	Value
Rated voltage	0.6/1 kV
AC test voltage	3 kV
Maximum operating temperature	90 °C
Maximum short-circuit temperature	250 °C
Fixed working temperature	-40 °C to +90 °C
Mobile working temperature	-25 °C to +90 °C
Minimum bending radius	According to VDE 0298-3 Table 3
Current carrying capacities	According to VDE 0298-4

STANDARDS

Parameter	Value
Construction	DIN VDE 0250-813
General requirements	DIN VDE 0250-1
Guide use	DIN VDE 0298-3
Electrical tests	DIN VDE 0472-501, 503, 508
Flame retardant	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1
Oil resistant	HD/EN/IEC 60811-2-1, DIN VDE 0473-811-2-1

TECHNICAL DATA

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

Cross section mm2	Overall diameter min-max mm	Approx. weight kg/km
NTSWÖU-J		
3x25+3x25/3	40.0 - 44.0	2470
3x35+3x25/3	44.4 - 48.4	3150
3x50+3x25/3	47.7 - 51.7	3750
3x70+3x35/3	52.3 - 56.3	4690
3x95+3x50/3	59.9 - 63.9	6210
3x120+3x70/3	63.8 - 67.8	7430
3x150+3x70/3	69.2 - 73.2	8900
3x185+3x95/3	73.1 - 77.1	10330

NOTES

- Standard length cable packing is 500 m on drums.
- Other forms of packing and delivery are available on request.

CERTIFICATIONS



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