



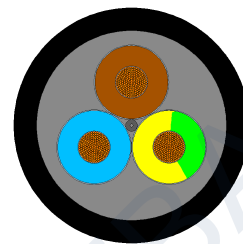
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

(N)GRDGÖU

0.6/1 kV neoprene round cable



APPLICATION

Power and control cable for festoon systems, hoists, transport equipment, machine tools, cranes and container cranes, for medium mechanical stresses and frequent bending in dry, damp and wet rooms and outdoors.

CONSTRUCTION

Component	Description
Conductor	Bare flexible stranded copper, DIN VDE 0295 Class 5
Core colours	Light, number-coded, with GN/YE protective conductor
Core structure	Stranded in max. 3 layers
Inner sheath	EPR compound type GM1b, black
Screening	Tinned copper
Outer sheath	CM compound type 5GM3, black

CHARACTERISTICS

- Suitable for festoon systems, hoists and cranes.
- Oil-, ozone-, UV- and moisture-resistant.
- Designed for frequent bending and medium mechanical stresses.
- Suitable for dry, damp and wet rooms and outdoors.

OPERATING CHARACTERISTICS

Parameter	Value
Nominal voltage U ₀ /U	0.6/1 kV
Test voltage	3.5 kV
Maximum conductor temperature	+90 °C
Short-circuit temperature	+250 °C
Mobile operation	-35 °C to +80 °C
Fixed installation	-50 °C to +80 °C
Minimum bending radius	DIN VDE 0298-3
Tensile load	15 N/mm ²
RoHS compliant	Yes

STANDARDS

Parameter	Value
Standard	DIN VDE 0250-814
Conductor	DIN VDE 0295, Class 5
Screening	Tinned copper
Oil resistance	Oil-resistant
Ozone / UV	Ozone-resistant and UV-resistant
Moisture resistance	Moisture-resistant

TECHNICAL DATA

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

Product name	Outer-Ø mm	Weight ca. kg/km	Cu weight kg/km
NGRDGöu-O 1 x 25	12.60	386	240
NGRDGöu-O 1 x 35	14.10	493	336
NGRDGöu-O 1 x 50	15.90	670	480
NGRDGöu-O 1 x 70	17.90	900	672
NGRDGöu-O 1 x 95	21.10	1120	912
NGRDGöu-O 1 x 120	22.80	1430	1152
NGRDGöu-O 1 x 150	24.50	1740	1440
NGRDGöu-O 1 x 185	27.90	2150	1776
NGRDGöu-O 3 x 4	15.80	400	115
NGRDGöu-O 3 x 6	17.00	490	173
NGRDGöu-O 3 x 10	20.90	750	288
NGRDGöu-O 3 x 16	24.30	1050	461
NGRDGöu-O 3 x 25	28.70	1530	720
NGRDGöu-O 3 x 35	32.70	2020	1008
NGRDGöu-O 3 x 50	38.40	2820	1440
NGRDGöu-J 4 x 4	18.80	459	154
NGRDGöu-J 4 x 6	20.40	570	230
NGRDGöu-J 4 x 10	24.50	890	384

NOTES

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

CERTIFICATIONS



TEBAOFLEX CABLE

TECHNICAL DATA

Product table continued.

Product name	Outer-Ø mm	Weight ca. kg/km	Cu weight kg/km
NGRDGöu-J 4 x 16	30.00	1330	614
NGRDGöu-J 4 x 25	35.20	1950	960
NGRDGöu-J 4 x 35	38.20	2450	1344
NGRDGöu-J 4 x 50	44.80	3450	1920
NGRDGöu-J 5 x 4	20.10	540	192
NGRDGöu-J 5 x 6	22.60	720	288
NGRDGöu-J 5 x 10	26.30	1050	480
NGRDGöu-J 5 x 16	32.30	1580	768
NGRDGöu-J 5 x 25	37.30	2320	1200
NGRDGöu-J 12 x 1.5	20.80	600	173
NGRDGöu-J 18 x 1.5	24.40	840	259
NGRDGöu-J 24 x 1.5	29.30	1160	346
NGRDGöu-J 30 x 1.5	30.60	1300	432
NGRDGöu-J 36 x 1.5	32.90	1510	518
NGRDGöu-J 12 x 2.5	23.90	840	288
NGRDGöu-J 18 x 2.5	29.50	1240	432
NGRDGöu-J 24 x 2.5	33.70	1640	576
NGRDGöu-J 30 x 2.5	35.30	1850	720
NGRDGöu-J 36 x 2.5	38.40	2210	864

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CERTIFICATIONS



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