



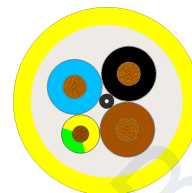
TEBAOFLEX CABLE

DATA SHEET

Mining&Industrial cable

(N)SHÖU

Flexible rubber cable for general use



APPLICATION

For use in open-cast mining, quarries and similar plants. Also suitable for laying alongside conveyor belts and on material handling equipment; suitable for tunneling sites and similar applications.

CABLE STRUCTURE

Component	Description
Conductor	Electrolytic, stranded, plain copper wire, DIN VDE 0295 class 5
Insulation	All cores are insulated with 3GI3 compound
Lay up	All cores laid up in contact with each other and interstitial ground cores
Inner sheath	Special extruded elastomeric compound
Outer sheath	Heavy-duty elastomer outer sheath 5GM5, yellow or black

CHARACTERISTICS

- Ozone resistant.
- Cold resistant.
- Tear resistant.
- UV resistant.
- Weather resistant.
- Moisture resistant.
- Explosion-proof application range.
- Oil resistant.

OPERATING CHARACTERISTICS

Parameter	Value
Rated voltage	0.6/1 kV
Max. operating voltage AC	0.7/1.2 kV
Max. operating voltage DC	0.9/1.8 kV
AC test voltage	3 kV
Min. bending radius	According to DIN VDE 0298 part 3
Current carrying capacity	According to DIN VDE 0298 part 4
Working temperature, fixed	-40 °C to +90 °C
Working temperature, mobile	-25 °C to +90 °C
Max. tensile load of cable	15 N/mm ²

PRODUCTION AND TEST STANDARDS

Parameter	Value
Construction	DIN VDE 0250-812
General requirements	DIN VDE 0250-1
Guide to use	DIN VDE 0298-3
Electrical tests	DIN VDE 0472-501, 503, 508
Non-electrical tests	DIN VDE 0472-401, 402, 602, 303, 615
Under fire tests	DIN VDE 0472-803, 804
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

DIMENSIONS AND WEIGHTS

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
3 x 1.5	9.7 - 10.3	145
3 x 2.5	11.2 - 12.8	220
3 x 4	12.5 - 14.1	300
3 x 6	13.2 - 15.0	380
3 x 10	16.6 - 18.6	590
3 x 16	19.5 - 21.0	797
3 x 25	22.9 - 24.9	1206
3 x 35	24.9 - 27.9	1670
3 x 50	29.4 - 33.0	2195
3 x 70	34.8 - 37.8	3124
3 x 95	40.9 - 43.9	4100
3 x 120	43.4 - 47.7	4730
3 x 150	47.8 - 54.0	5916
3 x 185	53.1 - 58.6	7270
4 x 1.5	10.5 - 12.6	200
4 x 2.5	12.0 - 13.7	260
4 x 4	13.5 - 15.1	360
4 x 6	15.7 - 17.7	458
4 x 10	17.4 - 20.2	670
4 x 16	21.4 - 23.1	1038
4 x 25	24.5 - 28.1	1576
4 x 35	28.4 - 31.4	1978
4 x 50	33.6 - 36.6	2765
4 x 70	38.8 - 42.5	3930
4 x 95	44.8 - 47.8	5165
4 x 120	50.0 - 53.9	6200
4 x 150	55.0 - 58.9	7537
4 x 185	59.0 - 63.3	9420
5 x 1.5	11.4 - 13.5	234
5 x 2.5	12.9 - 15.6	318
5 x 4	14.7 - 16.7	434
5 x 6	16.1 - 18.6	594
5 x 10	19.0 - 22.0	820
5 x 16	23.2 - 25.2	1285
5 x 25	28.0 - 31.0	1864
5 x 35	34.0 - 37.5	2675
7 x 1.5	12.9 - 14.5	300
7 x 2.5	14.9 - 17.4	458
12 x 1.5	15.8 - 17.8	420
12 x 2.5	17.3 - 19.6	580
18 x 1.5	18.5 - 20.5	610
18 x 2.5	21.2 - 23.4	900
24 x 1.5	20.9 - 23.1	760
24 x 2.5	22.8 - 24.8	1140
3 x 50/25	29.0 - 33.5	2510
3 x 70/35	34.8 - 37.8	3500
3 x 95/50	44.0 - 49.0	4300
3 x 120/70	44.7 - 47.7	5470
3 x 150/70	49.5 - 54.8	7000
3 x 185/95	54.5 - 58.5	8300
3 x 240/120	60.9 - 66.2	10500

RATINGS

- Rated voltage: 0.6/1 kV; AC test voltage: 3 kV.
- Working temperature: fixed -40 °C to +90 °C; mobile -25 °C to +90 °C.
- Minimum bending radius and current carrying capacity according to DIN VDE 0298.
- Maximum tensile load of cable: 15 N/mm2.

CERTIFICATIONS



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