



TEBAOFLEX CABLE

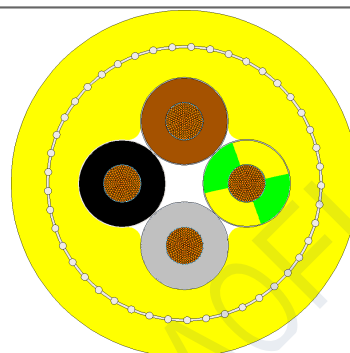
DATA SHEET

Mining&Industrial cable

NSHTOU(SMK)

0.6/1 kV rubber sheathed cable for reeling purposes, crane cable

Yellow rubber sheathed reeling cable for very high mechanical loads, tensile stress and torsion stress.



APPLICATION

Connection cable for reeling purposes under very high mechanical loads on movable appliances, mobile line carriers, piped vehicles and vertical drum operation. Applicable for the scope of DIN VDE 0168 and DIN VDE 0118, including underground and open-cast mines.

CONSTRUCTION

Component	Description
Conductor	Fine-stranded tinned copper conductor, class 5
Insulation	PROTOLON insulated cores
Core identification	According to HD 308 S2 and DIN VDE 0293-1
Inner sheath	Special polychloroprene compound
Torsion protection	Anti-torsion braid of polyester threads in a vulcanised bond between inner and outer sheath
Outer sheath	Wear- and tear-resistant polychloroprene compound, yellow
Sheath properties	Oil, weather and water resistant

OPERATING CHARACTERISTICS

Property	Value
Rated voltage	U ₀ /U 0.6/1 kV
Max. operating voltage AC	0.7/1.2 kV
Max. operating voltage DC	0.9/1.8 kV
Test voltage	AC 2500 V
Temperature range, in motion	-35 deg C to +90 deg C
Temperature range, fixed installation	-50 deg C to +90 deg C
Conductor temperature, short circuit	+250 deg C
Short circuit time	Max. 5 sec
Minimum bending radius	8 x cable diameter

STANDARDS AND TESTS

Item	Standard / property
Construction	Adapted to DIN VDE 0250-814
Conductor	DIN EN 60228 class 5
Core identification	HD 308 S2, DIN VDE 0293-1
Oil resistance	EN 60811-2-1
Flame retardance	EN 60332-1-2

TECHNICAL DATA

DIMENSIONS AND WEIGHTS

No. cores x cross-section (mm ²)	Copper weight (kg/km)	Conductor construction (approx.)	Overall dia. approx. (mm)	Overall dia. max. approx. (mm)	Weight app. (kg/km)
5 x 1.5	75	50 x 0.21	13.0	14.6	280
7 x 1.5	105	50 x 0.21	15.2	17.2	385
12 x 1.5	180	50 x 0.21	21.4	23.4	710
24 x 1.5	378	50 x 0.21	23.8	26.8	990
4 x 2.5	100	80 x 0.21	13.2	14.8	305
7 x 2.5	175	80 x 0.21	16.6	18.6	510
12 x 2.5	300	80 x 0.21	23.4	25.4	920

TECHNICAL DATA - CONTINUED

DIMENSIONS AND WEIGHTS - CONTINUED

No. cores x cross-section (mm ²)	Copper weight (kg/km)	Conductor construction (approx.)	Overall dia. approx. (mm)	Overall dia. max. approx. (mm)	Weight app. (kg/km)
18 x 2.5	450	80 x 0.21	23.3	25.3	1005
24 x 2.5	600	80 x 0.21	26.2	29.2	1320
19 x 2.5+5x1(C)	657	80 x 0.21	26.2	29.2	1290
25 x 2.5+5x1(C)	812	80 x 0.21	29.4	32.4	1620
30 x 2.5	750	80 x 0.21	29.4	32.4	1660
4 x 6	240	120 x 0.26	17.4	19.4	575
4 x 10	442	210 x 0.26	21.6	23.6	905
4 x 16	640	230 x 0.31	23.7	26.7	1240
4 x 25	1000	360 x 0.31	28.5	31.5	1850
5 x 6	300	120 x 0.26	19.0	21.0	690
3 x 35+3x16/3	1269	510 x 0.31	34.4	37.4	2160
3 x 50+3x25/3	1835	530 x 0.31	39.7	42.7	2850
3 x 70+3x35/3	2450	730 x 0.36	39.7	42.7	3920
3 x 95+3x50/3	3350	780 x 0.41	44.3	47.3	5020
3 x 120+3x70/3	4300	1000 x 0.41	51.0	55.0	6630

Dimensions and weights are approximate values.

CERTIFICATIONS



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