NSSHÖU

heavy duty rubber cable 0,6/1 kV

Technical data

- Rubber sheath cable acc. to DIN VDE 0250-812
- **Temperature range** flexing -25°C to +80°C fixed installation -40°C to +80°C
- Permissible **operating temperature** at conductor +90°C
- **Nominal voltage** U_0/U 0,6/1 kV
- Max. permissible **operating voltage**
  - 3-Phase and single phase operation 700/1200 V
  - DC operation 900/1800 V
- **Test voltage** 3000 V
- **Minimum bending radius** fixed installation 4x outer Ø flexing 5x outer Ø without forced operation 7,5x outer Ø

Cable structure

- Tinned copper conductor, fine wire acc. to DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of rubber (EPR) compound type 3GI3 acc. to DIN VDE 0207-20
- Core identification acc. to DIN VDE 0293-308 1 core: black ⩽ 5 cores: coloured ⩾ 6 cores: black with continuous white numbering
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay length
- Inner sheath of rubber compound type GM1b acc. to DIN VDE 0207-21
- Outer sheath of rubber compound type 5GM5 acc. to DIN VDE 0207-21
- Sheath colour: yellow

Properties

- Resistant against hot penetration
- Abrasion resistant
- Notch resistant

Resistant against

- Oils, ozone
- Fats and chemicals

Tests

- Flame retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- Oil resistant to DIN EN 60811-404

Note

- G = with GN-YE conductor x = without GN-YE conductor
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.

Application

Are suited as a connecting cable for very high mechanical stress in underground mining and tools for use in industries and outdoor use. They are also used for mining industry, surface mining, stone-pits, on building sites, outdoors as well as indoors. Suitable for fixed installation on plaster in dry, damp and wet areas. Not suitable for drumming and use in all types of machinery, such as robots, handling units and energy transfer units, where constant mobility is essential.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.cores x cross-sec. mm²	Outer Ø max. mm	Cop. weight kg / km	Weight app.kg / km	AWG-No.
38001	1 x 16	13,5	154,0	336,0	6
38002	1 x 25	16,5	240,0	473,0	4
38003	1 x 35	18,0	336,0	635,0	2
38004	1 x 50	20,0	480,0	866,0	1
38005	1 x 70	22,0	672,0	1145,0	2/0
38006	1 x 95	25,0	912,0	1475,0	3/0
38007	1 x 120	27,5	1152,0	1832,0	4/0
38008	1 x 150	30,0	1440,0	2000,0	300 kcmil
38009	1 x 185	34,0	1776,0	2450,0	350 kcmil
38010	1 x 240	37,0	2304,0	3190,0	500 kcmil
38011	2 x 2,5	16,0	48,0	205,0	14
38012	3 G 1,5	15,0	43,0	173,0	16
38013	3 G 2,5	16,5	72,0	247,0	14
38014	3 G 4	20,0	115,0	336,0	12
38015	3 G 6	22,0	173,0	520,0	10
38016	4 G 1,5	16,0	58,0	210,0	16
38017	4 G 2,5	19,0	96,0	305,0	14
38018	4 G 4	21,5	154,0	415,0	12
38019	4 G 6	23,0	230,0	641,0	10
38020	4 G 10	27,5	384,0	1113,0	8
38021	4 G 16	37,0	614,0	1412,0	6
38022	4 G 25	39,0	960,0	2095,0	4
38023	4 G 35	42,5	1344,0	2777,0	2
38024	4 G 50	49,0	1920,0	3817,0	1
38025	4 G 70	53,5	2688,0	5071,0	2/0
38026	4 G 95	61,5	3648,0	6636,0	3/0
38027	4 G 120	68,0	4608,0	7000,0	4/0

Part no.	No.cores x cross-sec. mm²	Outer Ø max. mm	Cop. weight kg / km	Weight app.kg / km	AWG-No.
38028	5 G 1,5	17,0	72,0	252,0	16
38029	5 G 2,5	20,0	120,0	362,0	14
38030	5 G 4	23,0	192,0	509,0	12
38031	5 G 6	26,5	288,0	798,0	10
38035	5 G 10	30,0	480,0	1120,0	8
38036	5 G 16	34,0	768,0	1680,0	6
38037	5 G 25	42,0	1200,0	2430,0	4
38038	7 G 1,5	19,5	101,0	470,0	16
38032	7 G 2,5	21,5	168,0	546,0	14
38039	10 G 1,5	22,0	144,0	560,0	16
38033	12 G 2,5	28,0	288,0	851,0	14
38040	18 G 2,5	33,0	432,0	1230,0	14
40129	19 G 1,5	28,5	274,0	871,0	16
38034	19 G 2,5	33,5	466,0	1260,0	14

3 + 1/2 conductor (GN-YE)

Part no.	No.cores x cross-sec. mm²	Outer Ø max. mm	Cop. weight kg / km	Weight app.kg / km	AWG-No.
40130	3 x 70/35	53,5	2352,0	3958,0	2/0
40131	3 x 95/50	61,5	3216,0	5116,0	3/0
40132	3 x 120/70	68,0	4128,0	6388,0	4/0
40133	3 x 150/70	73,0	4992,0	7040,0	300 kcmil

Dimensions and specifications may be changed without prior notice. (RF01)