NSSHÖU

Heavy duty rubber cables for mining industry

Cable structure

- Stranded bare or tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- EPR core insulation according to DIN VDE 0207 part 20
- Cores color coding according to DIN VDE 0293 (6 cores and more black cores with repeated white numbering)
- Green-yellow earth core from 3 cores and more
- Cores stranded in layers with optimal lay-lenght
- Inner sheath of EPR
- Outer yellow sheath of chlorined polyethylene, oil resistant
- Tested according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1
- Oil resistant to DIN VDE 0472 part 803, test method A

Technical data

- Rubber insulated heavy duty cable according to DIN VDE 0250 part 812
- **Temperature range** flexing from -25 °C to +80 °C
  fixed from -40 °C to +80 °C
- **Max. permissible operating temperature** at conductor max. +80 °C
- **Nominal voltage** U_O/U 0,6/1 kV
- **Test voltage a.c.** 3000 V (5 min.)
- **Insulation resistance** min. 20 MΩ/km
- **Minimum bending radius**
  fixed installation 5× cable diameter
  flexing installation 10× cable diameter

Advantages

Resistant to ozone, high insulation resistance, low abrasion, highly damage-resistant, resistant to oil, fat and chemicals.

Application

Flexible cables with rubber sheath for heavy stress are ideal as connecting cables under high mechanical stress in underground mines and for tools used in industry. Generally, these cables are used in mining industry, stone-pits, building sites for inner as well as outer use. The cable is ideal for fixed installation on plaster in dry, wet and moist conditions. A long durability of the cable is ensured even under extreme operating conditions. It is not suitable for winding on drums. The cable is ideal for application in all types of machines such as robots, handling units, electricity transferring units where mobility is needed. Insulation of plastic-rubber compound on EPR basis improves resistance to ozone.

Note

Core insulation color for single-core sheated cable is black.
CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC
Conforms to RoHS.

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0738001	1×16,0	11,5	154	336
0738002	1×25,0	14,5	240	473
0738003	1×35,0	15,5	336	635
0738004	1×50,0	18,0	480	866
0738005	1×70,0	20,5	672	1145
0738006	1×95,0	23,0	912	1475
0738007	1×120,0	25,0	1152	1832
0738008	1×150,0	28,0	1440	2000
0738009	1×185,0	30,0	1776	2450
0738010	1×240,0	33,0	2304	3190
0738012	3×1,5	12,5	43	173
0738013	3×2,5	14,0	72	247
0738014	3×4,0	16,8	115	336
0738015	3×6,0	18,1	173	520
0738016	4×1,5	13,0	58	210
0738017	4×2,5	16,0	96	305
0738018	4×4,0	18,0	154	415
0738019	4×6,0	19,5	230	641
0738020	4×10,0	24,0	384	1113
0738021	4×16,0	28,5	614	1412
0738022	4×25,0	35,0	960	2095
0738023	4×35,0	37,0	1344	2777
0738024	4×50,0	44,5	1920	3817
0738025	4×70,0	47,0	2688	5071
0738026	4×95,0	54,0	3648	6636

Part No.	Number of cores x core cross section [mm²]	Approx. outer ∅ [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]
0738027	4×120,0	60,0	4608	7000
0738028	5×1,5	14,1	72	252
0738029	5×2,5	17,2	120	362
0738030	5×4,0	19,0	192	509
0738031	5×6,0	21,5	288	798
0738035	5×10,0	25,0	480	1120
0738036	5×16,0	31,0	768	1680
0738037	5×25,0	36,5	1200	2430
0738038	7×1,5	17,5	101	470
0738039	10×1,5	19,8	144	560
0738033	12×2,5	24,0	288	851
0738040	18×2,5	28,7	432	1230
0738041	3×6+3x6/3E+3x1,5St	22,0	341	650
0738042	3×10+3x10/3E+3x2,5St	25,0	514	1100
0738043	3×16+3x16/3E+3x2,5St	27,5	754	1320
0738044	3×25+3x16/3E+3x2,5St	31,5	1042	1830
0738045	3×35+3x16/3E+3x2,5St	36,5	1368	2380
0738046	3×50+3x25/3E+3x2,5St	43,0	1896	3300
0738047	3×70+3x35/3E+3x2,5St	47,0	2587	4140
0738048	3×95+3x50/3E+3x2,5St	51,0	3509	5500
0738049	3×120+3x70/3E+3x2,5St	53,5	4440	6550
0738050	3×150+3x70/3E+3x2,5St	60,5	5414	7900