



H07RN8-F 450/750V Harmonized Rubber Cables

» Applications

These cables are designed for use in submersible pumps and similar applications in water for industrial use up to a water depth of 10 m and water temperature-ranges up to 40°C, also approved for dry, humid and wet applications.

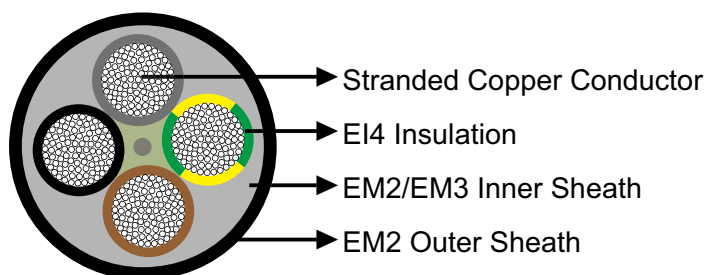
» Standards

DIN VDE 0282 Part1 and Part 16

HD 22.1

HD 22.16 S1

» Construction



Conductors: Stranded copper conductor, class 5 according to DIN VDE 0295/IEC 60228.

Insulation: Rubber type EI4 according to DIN VDE 0282 Part 16.

Inner Sheath (for $\geq 10 \text{ mm}^2$ or more than 5 cores): Rubber type EM2/EM3 according to DIN VDE 0282 Part 16.

Outer Sheath: Rubber type EM2 according to DIN VDE 0282 Part 16.

» Dimensions and Weight

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
1×1.5	0.8	-	1.4	5.7	6.7	60



Caledonian Mining Cables

Cables for Underground Mining

Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
2×1.5	0.8	-	1.5	8.5	10.5	120
3G1.5	0.8	-	1.6	9.2	11.2	170
4G1.5	0.8	-	1.7	10.2	12.5	210
5G1.5	0.8	-	1.8	11.2	13.5	260
7G1.5	0.8	1.0	1.6	14.0	17.0	360
12G1.5	0.8	1.2	1.7	17.6	20.5	515
19G1.5	0.8	1.4	2.1	20.7	26.3	795
24G1.5	0.8	1.4	2.1	24.3	28.5	920
1×2.5	0.9	-	1.4	6.3	7.5	75
2×2.5	0.9	-	1.7	10.2	12.5	170
3G2.5	0.9	-	1.8	10.9	13.0	230
4G2.5	0.9	-	1.9	12.1	14.5	290
5G2.5	0.9	-	2.0	13.3	16.0	360
7G2.5	0.9	1.1	1.7	17.0	20.0	510
12G2.5	0.9	1.2	1.9	20.6	23.5	740
19G2.5	0.9	1.5	2.2	24.4	30.9	1190
24G2.5	0.9	1.6	2.3	28.8	33.0	1525
1×4	1.0	-	1.5	7.2	8.5	100
2×4	1.0	-	1.8	11.8	14.5	195
3G4	1.0	-	1.9	12.7	15.0	305
4G4	1.0	-	2.0	14.0	17.0	400
5G4	1.0	-	2.2	15.6	19.0	505
1×6	1.0	-	1.6	7.9	9.5	130
2×6	1.0	-	2.0	13.1	16.0	285
3G6	1.0	-	2.1	14.1	17.0	380
4G6	1.0	-	2.3	15.7	19.0	550
5G6	1.0	-	2.5	17.5	21.0	660
1×10	1.2	-	1.8	9.5	11.5	195
2×10	1.2	1.2	1.9	17.7	21.5	565
3G10	1.2	1.3	2.0	19.1	22.5	715
4G10	1.2	1.4	2.0	20.9	24.5	875
5G10	1.2	1.4	2.2	22.9	27.0	1095
1×16	1.2	-	1.9	10.8	13.0	280
2×16	1.2	1.3	2.0	20.2	23.5	795
3G16	1.2	1.4	2.1	21.8	25.5	1040
4G16	1.2	1.4	2.2	23.8	28.0	1280
5G16	1.2	1.5	2.4	26.4	31.0	1610
1×25	1.4	-	2.0	12.7	15.0	405
4G25	1.4	1.6	2.2	28.9	33.0	1890

Caledonian Mining Cables

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Number of Cores×Nominal Cross Section	Insulation Thickness	Thickness of Inner Sheath	Thickness of Outer Sheath	Minimum Overall Diameter	Maximum Overall Diameter	Nominal Weight
No. ×mm ²	mm	mm	mm	mm	mm	kg/km
5G25	1.4	1.7	2.7	32.0	36.0	2335
1×35	1.4	-	2.2	14.3	17.0	545
4G35	1.4	1.7	2.7	32.5	36.5	2505
5G35	1.4	1.8	2.8	35.0	39.5	2718
1×50	1.6	-	2.4	16.5	19.5	730
4G50	1.6	1.9	2.9	37.7	42.0	3350
5G50	1.6	2.1	3.1	41.0	46.0	3804
1×70	1.6	-	2.6	18.6	22.0	955
4G70	1.6	2.0	3.2	42.7	47.0	4785
1×95	1.8	-	2.8	20.8	24.0	1135
4G95	1.8	2.3	3.6	48.4	54.0	6090
1×120	1.8	-	3.0	22.8	26.5	1560
4G120	1.8	2.4	3.6	53.0	59.0	7550
5G120	1.8	2.8	4.0	59.0	65.0	8290
1×150	2.0	-	3.2	25.2	29.0	1925
4G150	2.0	2.6	3.9	58.0	64.0	8495
1×185	2.2	-	3.4	27.6	31.5	2230
4G185	2.2	2.8	4.2	64.0	71.0	9850
1×240	2.4	-	3.5	30.6	35.0	2945
1×300	2.6	-	3.6	33.5	38.0	3495
1×630	3.0	-	4.1	45.5	51.0	7020