

H07RN-F

RUBBER CABLE

HARMONIZED TYPE



Applications

Heavy duty rubber sheathed flexible cables for high and medium mechanical demands to connect moving implements, power appliances and machines. These cables are used on the machinery and devices such as industrial equipments, electric tools and agricultural machines which are operated within dry, humid and wet environments. Owing to their resistance against oil, diesel oil, acids, chemicals, ozone and flame; they are suitable for usage in moving engines, shipyards and building lots. Eligibility due to direct laying on mechanical parts, These cables are also used for lifts and cranes.

Technical data

- **Standard**
EN 50525-2-21
- **Rated voltage Uo/U**
450/750 V AC
- **Temperature Range**
Moved protected installation -25°C up to +60 °C
Fixed protected installation -35°C up to +85°C
- **Max. temperature at conductor**
+60 °C
- **Max. temperature of during short circuit**
+200 °C
- **Test voltage**
2500 V AC
- **Minimum bending radius**
Moved application approx. 7,5 x cable Ø
Fixed installation approx. 4 x cable Ø

Cable structure

- **Conductor** Bare copper, fine stranded flexible acc. to DIN VDE 0295 class 5, IEC/EN 60228 cl. 5
- **Insulation** E14 type rubber compound acc. to EN 50363-1
- **Core Identification** Acc. to VDE 0293-308 and HD 308 S2
- **Outer Sheath** EM2 type rubber compound acc. to EN 50363-2-1
- **Colour** Black (other colours on request)

Additional Properties

- | | |
|---|---|
| <ul style="list-style-type: none"> • Ozone Resistant acc. to EN 60811-2-1/8 • UV Resistant acc. to HD 605/A1 (just for black) • Oil Resistant acc. to EN 60811-2-1/10 • ROHS Compliant acc. to Directive RoHS 2015/863/EU | <p><i>in case of Fire:</i></p> <ul style="list-style-type: none"> • Flame Retardant acc. to IEC/EN 60332-1-2 |
|---|---|

No of cores x Cross-Section (N x S) mm ²	Cable Outer Ø Diameter Approx. (±5%) mm	Cable Weight Approx. kg/km
1 x 1,5	5,8	53
1 x 2,5	6,5	69
1 x 4	7,4	95
1 x 6	8,1	122
1 x 10	9,8	191
1 x 16	11,4	265
1 x 25	13,3	386
1 x 35	14,6	499
1 x 50	17,2	698
1 x 70	19,4	949
1 x 95	22,2	1185
1 x 120	24,3	1455

We confirm that all products listed in this Data Sheet are manufactured in compliance with the EU Directive RoHS 2015/863/EU (RoHS3).



No of cores x Cross-Section (N x S) mm ²	Cable Outer Ø Diameter Apprx. (±5%) mm	Cable Weight Apprx. kg/km
1 x 150	25,9	1835
1 x 185	29,7	2231
1 x 240	31,5	2776
2 x 1	8,1	98
2 x 1,5	9,0	124
2 x 2,5	10,7	178
2 x 4	12,3	246
2 x 6	13,8	322
2 x 10	18,6	580
2 x 16	21,7	854
2 x 25	25,8	1245
2 x 35	27,9	1536
3 x 1	8,7	120
3 x 1,5	9,7	152
3 x 2,5	11,5	219
3 x 4	13,2	305
3 x 6	14,8	401
3 x 10	20,0	725
3 x 16	23,3	1061
3 x 25	27,7	1555
3 x 35	30,2	1961
3 x 50	35,8	2759
3 x 70	40,2	3684
3 x 95	46,5	4704
3 x 120	50,7	5726
3 x 150	54,1	7066
3 x 185	62,3	8781
3 x 240	67,1	10884
4 x 1	9,6	146
4 x 1,5	10,6	185
4 x 2,5	12,6	267
4 x 4	14,5	378
4 x 6	16,4	501
4 x 10	21,7	880
4 x 16	25,4	1297
4 x 25	30,6	1944
4 x 35	33,4	2457
4 x 50	39,5	3454
4 x 70	44,5	4648
4 x 95	51,8	5967
4 x 120	56,1	7203
4 x 150	60,0	8950
4 x 185	69,2	11117
4 x 240	74,4	13796

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No of cores x Cross-Section (N x S) mm ²	Cable Outer Ø Diameter Apprx. (±5%) mm	Cable Weight Apprx. kg/km
5 x 1	10,6	180
5 x 1,5	11,7	226
5 x 2,5	13,9	327
5 x 4	16,1	467
5 x 6	18,2	624
5 x 10	23,9	1082
5 x 16	28,2	1591
5 x 25	33,9	2379
5 x 35	37,1	3028
5 x 50	43,9	4249
5 x 70	49,8	5770
5 x 95	57,6	7343
5 x 120	63,6	9070
3x50+25	37,3	2870
3x70+35	42,3	3907
3x95+50	48,9	4920
3x120+70	53,5	6523
3x150+70	57,3	8318

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