

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) mm² | 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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