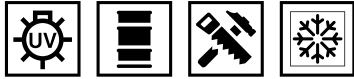


Harsh conditions

Rubber cables



H07RN-F

Heavy standard construction



■ **Benefits**

- For mechanically more demanding applications
- 1000 V AC @ protected + static laying
- Arrangements made of single-core, rubber-sheathed cables H07RN-F can be used for short circuit-proof and short-to-ground-proof installations in accordance with VDE 0100 Part 520

■ **Application range**

- Handheld and power supply devices according to HD 516
- Medium, mechanical stress (H07RN-F)/ industrial, agricultural use
- Dry or damp rooms as well as outdoors (taking into account all normative power characteristics) according to HD 516/VDE 0298-300

■ **Product features**

- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 60811-404

■ **Norm references / Approvals**

- <HAR> H07RN-F cable type approval according to EN 50525-2-21

■ **Product make-up**

- Bare copper wire according to HAR
- Core insulation: rubber compound type EI 4
- Outer sheath: rubber compound, type EM2



Info

- Medium mechanical stress
- Oil-resistant

■ **Technical data**



Classification

ETIM 5.0 Class-ID: EC001578
ETIM 5.0 Class-Description: Flexible cable



Core identification code

Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9
From 6 cores: black with white numbers



Conductor stranding

Fine wire according to VDE 0295 Class 5 / IEC 60228 Class 5



Minimum bending radius

4 to 8 xOD* (HD 516)



Nominal voltage

U₀/U: 450/750 V



Test voltage

2500 V



Protective conductor

G = with GN-YE protective conductor
X = without protective conductor



Current rating

According to IEC 60364-5-52 / VDE 0298-4
HD 516/VDE 0298-300



Temperature range

-25°C to +60°C

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1600096 | 1 X 1.5 | 5.7 - 7.1 | 14.4 | 59 |
| 1600099 | 1 X 2.5 | 6.3 - 7.9 | 24.0 | 72 |
| 1600097 | 1 X 4 | 7.2 - 9.0 | 38.4 | 99 |
| 1600098 | 1 X 6 | 7.9 - 9.8 | 57.6 | 130 |
| 1600194 | 1 X 10 | 9.5 - 11.9 | 96.0 | 230 |
| 1600195 | 1 X 16 | 10.8 - 13.4 | 153.6 | 320 |
| 1600196 | 1 X 25 | 12.7 - 15.8 | 240.0 | 450 |
| 1600193 | 1 X 35 | 14.3 - 17.9 | 336.0 | 605 |
| 1600197 | 1 X 50 | 16.5 - 20.6 | 480.0 | 825 |
| 1600189 | 1 X 70 | 18.6 - 23.3 | 672.0 | 1090 |
| 1600190 | 1 X 95 | 20.8 - 26.0 | 912.0 | 1405 |
| 1600198 | 1 X 120 | 22.8 - 28.6 | 1,152.0 | 1745 |
| 1600191 | 1 X 150 | 25.2 - 31.4 | 1,440.0 | 1887 |
| 1600175 | 1 X 185 | 27.6 - 34.4 | 1,776.0 | 2274 |
| 1600177 | 1 X 240 | 30.6 - 38.3 | 2,304.0 | 2955 |
| 30015435 | 1 X 300 | 33.5 - 41.9 | 2,880.0 | 3479 |
| 1600117 | 3 G 1.0 | 8.3 - 10.7 | 28.8 | 130 |
| 1600199 | 2 X 1.5 | 8.5 - 11.0 | 28.8 | 135 |
| 1600103 | 3 G 1.5 | 9.2 - 11.9 | 43.2 | 165 |
| 16001233 | 4 G 1.5 | 10.2 - 13.1 | 57.6 | 200 |
| 16001043 | 5 G 1.5 | 11.2 - 14.4 | 72.0 | 240 |
| 1600151 | 7 G 1.5 | 14.0 - 17.5 | 100.8 | 385 |
| 1600148 | 12 G 1.5 | 17.6 - 22.4 | 172.8 | 516 |
| 1600259 | 19 G 1.5 | 20.7 - 26.3 | 273.6 | 800 |
| 1600166 | 24 G 1.5 | 24.3 - 30.7 | 345.6 | 882 |
| 1600263 | 25 G 1.5 | 25.1 - 25.9 | 360.0 | 920 |
| 1600187 | 2 X 2.5 | 10.2 - 13.1 | 48.0 | 195 |
| 1600118 | 3 G 2.5 | 10.9 - 14.0 | 72.0 | 235 |
| 16001053 | 4 G 2.5 | 12.1 - 15.5 | 96.0 | 290 |
| 16001293 | 5 G 2.5 | 13.3 - 17.0 | 120.0 | 294 |
| 1600152 | 7 G 2.5 | 16.5 - 20.0 | 168.0 | 520 |

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1600154 | 12 G 2.5 | 20.6 - 26.2 | 288.0 | 810 |
| 1600156 | 19 G 2.5 | 25.5 - 31.0 | 456.0 | 1200 |
| 1600157 | 24 G 2.5 | 28.8 - 36.4 | 576.0 | 1650 |
| 1600186 | 2 X 4 | 11.8 - 15.1 | 76.8 | 270 |
| 1600119 | 3 G 4 | 12.7 - 16.2 | 115.2 | 320 |
| 16001063 | 4 G 4 | 14.0 - 17.9 | 153.6 | 395 |
| 16001303 | 5 G 4 | 15.6 - 19.9 | 192.0 | 485 |
| 1600161 | 7 G 4 | 21.0 - 21.8 | 268.8 | 681 |
| 1600120 | 3 G 6 | 14.1 - 18.0 | 172.8 | 360 |
| 16001073 | 4 G 6 | 15.7 - 20.0 | 230.4 | 475 |
| 16001313 | 5 G 6 | 17.5 - 22.2 | 288.0 | 760 |
| 1600121 | 3 G 10 | 19.1 - 24.2 | 288.0 | 880 |
| 16001083 | 4 G 10 | 20.9 - 26.5 | 384.0 | 1060 |
| 16001093 | 5 G 10 | 22.9 - 29.1 | 480.0 | 1300 |
| 1600122 | 3 G 16 | 21.8 - 27.6 | 460.8 | 1090 |
| 16001103 | 4 G 16 | 23.8 - 30.1 | 614.4 | 1345 |
| 16001113 | 5 G 16 | 26.4 - 33.3 | 768.0 | 1680 |
| 16001123 | 4 G 25 | 28.9 - 36.6 | 960.0 | 1995 |
| 16001133 | 5 G 25 | 32.0 - 40.4 | 1,200.0 | 2470 |
| 1600124 | 3 G 35 | 29.3 - 37.1 | 1,008.0 | 1910 |
| 16001143 | 4 G 35 | 32.5 - 41.1 | 1,344.0 | 2645 |
| 16001363 | 5 G 35 | 37.0 - 45.0 | 1,680.0 | 2810 |
| 16001153 | 4 G 50 | 37.7 - 47.5 | 1,920.0 | 3635 |
| 1600126 | 5 G 50 | 40.0 - 50.8 | 2,400.0 | 4050 |
| 16001163 | 4 G 70 | 42.7 - 54.0 | 2,688.0 | 4830 |
| 16001283 | 4 G 95 | 48.4 - 61.0 | 3,648.0 | 6320 |
| 16001323 | 4 G 120 | 53.0 - 66.0 | 4,608.0 | 6830 |
| 16000883 | 4 G 150 | 58.0 - 73.0 | 5,760.0 | 8320 |
| 1600141 | 4 G 185 | 64.0 - 80.0 | 7,104.0 | 9800 |
| 1600183 | 4 G 240 | 72.0 - 91.0 | 9,216.0 | 12800 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

Photographs are not to scale and do not represent detailed images of the respective products.

*OD = Outer diameter

■ **Similar products**

- H07RN-F, enhanced version refer to page 83
- H07ZZ-F refer to page 85
- H07RN8-F refer to page 90

■ **Accessories**

- SKINTOP® CLICK System refer to page 657
- EASY STRIP stripping and cutting tool refer to page 909
- PEW 8.87 crimping pliers refer to page 921
- KS 20 cable shears refer to page 908