



Description: H07RN-F, enhanced version 1 X 70_

Lapp code: Lapp 4533009

The **Test voltage** of the cable Lapp 4533009 is 2500 V AC.

Application range

- Medium, mechanical stress and industrial and agricultural use as well as for handheld and power supply devices (H07RN-F according to HD 516/ VDE 0298-300)
- Drip loop torsion between the nacelle and the tower of wind turbine generators/ windmills down to -40 °C cable/ ambient temperature with 2,000 cycles and the angle of +/-150 °/m at 1 revolution per minute (=TW-2) - please see catalogue appendix T0 for further information
- Long-time water submersion (AD8) down to 100 m without interruption (no drinking water, minimum water temperature of +5 °C, standing water only, no areas with boat/ ship/ submarine traffic)
- Outdoors acc. HD 516
- For buildings or industrial plants with a high density of people or valuable assets

Product Make-up

- Conductor made of bare, finely stranded copper strands acc. conductor class 5 in line with IEC 60228
- Core insulation of special rubber
- Outer sheath: special rubber compound
- Further dimensions from 1 mm² existent in the material master or on request

In our Cable list on next page you can find all interesting information acc. article Lapp 4533009 and much more.

CABLE LIST - all informations you need you can find here

| Product Name | Lapp Nr. | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 2 X 1,0 | Lapp 4533019 | 2 X 1,0 | 10,0 | 19,2 | 100 |
| H07RN-F, enhanced version 3 G 1,0 | Lapp 4533027 | 3 G 1,0 | 10,7 | 28,8 | 140 |
| H07RN-F, enhanced version 3 X 1,0 | Lapp 4533028 | 3 X 1,0 | 10,7 | 28,8 | 140 |
| H07RN-F, enhanced version 4 G 1,0 | Lapp 4533061 | 4 G 1,0 | 11,9 | 38,4 | 160 |
| H07RN-F, enhanced version 4 X 1,0 | Lapp 4533062 | 4 X 1,0 | 11,9 | 38,4 | 160 |
| H07RN-F, enhanced version 5 G 1,0 | Lapp 4533091 | 5 G 1,0 | 13,1 | 48,0 | 200 |
| H07RN-F, enhanced version 5 X 1,0 | Lapp 4533092 | 5 X 1,0 | 13,1 | 48,0 | 200 |
| H07RN-F, enhanced version 1 X 1,5 | Lapp 4533000 | 1 X 1,5 | 7,1 | 14,4 | 55 |
| H07RN-F, enhanced version 2 X 1,5 | Lapp 4533020 | 2 X 1,5 | 11,0 | 28,8 | 125 |
| H07RN-F, enhanced version 3 G 1,5 | Lapp 4533029 | 3 G 1,5 | 11,9 | 43,2 | 172 |
| H07RN-F, enhanced version 3 X 1,5 | Lapp 4533030 | 3 X 1,5 | 11,9 | 43,2 | 172 |
| H07RN-F, enhanced version 4 G 1,5 | Lapp 4533063 | 4 G 1,5 | 13,1 | 57,6 | 200 |
| H07RN-F, enhanced version 4 X 1,5 | Lapp 4533064 | 4 X 1,5 | 13,1 | 57,6 | 200 |
| H07RN-F, enhanced version 5 G 1,5 | Lapp 4533093 | 5 G 1,5 | 14,4 | 72,0 | 250 |
| H07RN-F, enhanced version 5 X 1,5 | Lapp 4533094 | 5 X 1,5 | 14,4 | 72,0 | 250 |
| H07RN-F, enhanced version 7 G 1,5 | Lapp 4533111 | 7 G 1,5 | 15,7 | 100,8 | 430 |
| H07RN-F, enhanced version 7 X 1,5 | Lapp 4533112 | 7 X 1,5 | 15,7 | 100,8 | 430 |
| H07RN-F, enhanced version 12 G 1,5 | Lapp 4533113 | 12 G 1,5 | 18,9 | 172,8 | 620 |
| H07RN-F, enhanced version 12 X 1,5 | Lapp 4533114 | 12 X 1,5 | 18,9 | 172,8 | 620 |
| H07RN-F, enhanced version 1 X 2,5 | Lapp 4533001 | 1 X 2,5 | 7,9 | 24,0 | 72 |
| H07RN-F, enhanced version 2 X 2,5 | Lapp 4533021 | 2 X 2,5 | 13,1 | 48,0 | 173 |
| H07RN-F, enhanced version 3 G 2,5 | Lapp 4533031 | 3 G 2,5 | 14,0 | 72,0 | 225 |
| H07RN-F, enhanced version 3 X 2,5 | Lapp 4533032 | 3 X 2,5 | 14,0 | 72,0 | 225 |
| H07RN-F, enhanced version 4 G 2,5 | Lapp 4533065 | 4 G 2,5 | 15,5 | 96,0 | 285 |
| H07RN-F, enhanced version 4 X 2,5 | Lapp 4533066 | 4 X 2,5 | 15,5 | 96,0 | 285 |

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| Product Name | Lapp Nr. | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 5 G 2,5 | Lapp 4533095 | 5 G 2,5 | 17.0 | 120.0 | 345 |
| H07RN-F, enhanced version 5 X 2,5 | Lapp 4533096 | 5 X 2,5 | 17.0 | 120.0 | 345 |
| H07RN-F, enhanced version 12 G 2,5 | Lapp 4533115 | 12 G 2,5 | 21,8 | 288.0 | 850 |
| H07RN-F, enhanced version 12 X 2,5 | Lapp 4533116 | 12 X 2,5 | 21,8 | 288.0 | 850 |
| H07RN-F, enhanced version 1 X 4 | Lapp 4533002 | 1 X 4 | 9.0 | 38.4 | 98 |
| H07RN-F, enhanced version 2 X 4 | Lapp 4533022 | 2 X 4 | 15,1 | 76.8 | 239 |
| H07RN-F, enhanced version 3 G 4 | Lapp 4533033 | 3 G 4 | 16,2 | 115.2 | 325 |
| H07RN-F, enhanced version 3 X 4 | Lapp 4533034 | 3 X 4 | 16,2 | 115.2 | 325 |
| H07RN-F, enhanced version 4 G 4 | Lapp 4533067 | 4 G 4 | 17,9 | 153.6 | 395 |
| H07RN-F, enhanced version 4 X 4 | Lapp 4533068 | 4 X 4 | 17,9 | 153.6 | 395 |
| H07RN-F, enhanced version 5 G 4 | Lapp 4533097 | 5 G 4 | 19,9 | 192.0 | 485 |
| H07RN-F, enhanced version 5 X 4 | Lapp 4533098 | 5 X 4 | 19,9 | 192.0 | 485 |
| H07RN-F, enhanced version 1 X 6 | Lapp 4533003 | 1 X 6 | 9,8 | 57.6 | 127 |
| H07RN-F, enhanced version 2 X 6 | Lapp 4533023 | 2 X 6 | 16,8 | 115.2 | 330 |
| H07RN-F, enhanced version 3 G 6 | Lapp 4533035 | 3 G 6 | 18.0 | 172.8 | 415 |
| H07RN-F, enhanced version 3 X 6 | Lapp 4533036 | 3 X 6 | 18.0 | 172.8 | 415 |
| H07RN-F, enhanced version 4 G 6 | Lapp 4533069 | 4 G 6 | 20.0 | 230.4 | 535 |
| H07RN-F, enhanced version 4 X 6 | Lapp 4533070 | 4 X 6 | 20.0 | 230.4 | 535 |
| H07RN-F, enhanced version 5 G 6 | Lapp 4533099 | 5 G 6 | 22,2 | 288.0 | 648 |
| H07RN-F, enhanced version 5 X 6 | Lapp 4533100 | 5 X 6 | 22,2 | 288.0 | 648 |
| H07RN-F, enhanced version 1 X 10 | Lapp 4533004 | 1 X 10 | 11,9 | 96.0 | 192 |
| H07RN-F, enhanced version 2 X 10 | Lapp 4533024 | 2 X 10 | 22,6 | 192.0 | 590 |
| H07RN-F, enhanced version 3 G 10 | Lapp 4533037 | 3 G 10 | 24,2 | 288.0 | 712 |
| H07RN-F, enhanced version 3 X 10 | Lapp 4533038 | 3 X 10 | 24,2 | 288.0 | 712 |
| H07RN-F, enhanced version 4 G 10 | Lapp 4533071 | 4 G 10 | 26,5 | 384.0 | 920 |
| H07RN-F, enhanced version 4 X 10 | Lapp 4533072 | 4 X 10 | 26,5 | 384.0 | 920 |

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| Product Name | Lapp Nr. | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 1 X 16 | Lapp 4533005 | 1 X 16 | 13,4 | 153.6 | 262 |
| H07RN-F, enhanced version 3 G 16 | Lapp 4533039 | 3 G 16 | 27,6 | 460.8 | 990 |
| H07RN-F, enhanced version 3 X 16 | Lapp 4533040 | 3 X 16 | 27,6 | 460.8 | 990 |
| H07RN-F, enhanced version 4 G 16 | Lapp 4533073 | 4 G 16 | 30,1 | 614.4 | 1290 |
| H07RN-F, enhanced version 4 X 16 | Lapp 4533074 | 4 X 16 | 30,1 | 614.4 | 1290 |
| H07RN-F, enhanced version 1 X 25 | Lapp 4533006 | 1 X 25 | 15,8 | 240.0 | 375 |
| H07RN-F, enhanced version 3 G 25 | Lapp 4533041 | 3 G 25 | 33.0 | 720.0 | 1395 |
| H07RN-F, enhanced version 3 X 25 | Lapp 4533042 | 3 X 25 | 33.0 | 720.0 | 1395 |
| H07RN-F, enhanced version 4 G 25 | Lapp 4533075 | 4 G 25 | 36,6 | 960.0 | 1930 |
| H07RN-F, enhanced version 4 X 25 | Lapp 4533076 | 4 X 25 | 36,6 | 960.0 | 1930 |
| H07RN-F, enhanced version 5 G 25 | Lapp 4533101 | 5 G 25 | 32,7 | 1200.0 | 2500 |
| H07RN-F, enhanced version 5 X 25 | Lapp 4533102 | 5 X 25 | 32,7 | 1200.0 | 2500 |
| H07RN-F, enhanced version 1 X 35 | Lapp 4533007 | 1 X 35 | 17,9 | 336.0 | 493 |
| H07RN-F, enhanced version 3 G 35 | Lapp 4533043 | 3 G 35 | 37,1 | 1008.0 | 1815 |
| H07RN-F, enhanced version 3 X 35 | Lapp 4533044 | 3 X 35 | 37,1 | 1008.0 | 1815 |
| H07RN-F, enhanced version 4 G 35 | Lapp 4533077 | 4 G 35 | 41,1 | 1344.0 | 2470 |
| H07RN-F, enhanced version 4 X 35 | Lapp 4533078 | 4 X 35 | 41,1 | 1344.0 | 2470 |
| H07RN-F, enhanced version 5 G 35 | Lapp 4533103 | 5 G 35 | 36,4 | 1680.0 | 3250 |
| H07RN-F, enhanced version 5 X 35 | Lapp 4533104 | 5 X 35 | 36,4 | 1680.0 | 3250 |
| H07RN-F, enhanced version 1 X 50 | Lapp 4533008 | 1 X 50 | 20,6 | 480.0 | 675 |
| H07RN-F, enhanced version 3 G 50 | Lapp 4533045 | 3 G 50 | 42,9 | 1440.0 | 2470 |
| H07RN-F, enhanced version 3 X 50 | Lapp 4533046 | 3 X 50 | 42,9 | 1440.0 | 2470 |
| H07RN-F, enhanced version 4 G 50 | Lapp 4533079 | 4 G 50 | 47,5 | 1920.0 | 3320 |
| H07RN-F, enhanced version 4 X 50 | Lapp 4533080 | 4 X 50 | 47,5 | 1920.0 | 3320 |
| H07RN-F, enhanced version 5 G 50 | Lapp 4533105 | 5 G 50 | 42,2 | 2400.0 | 4408 |
| H07RN-F, enhanced version 5 X 50 | Lapp 4533106 | 5 X 50 | 42,2 | 2400.0 | 4408 |

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| Product Name | Lapp Nr. | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|-----------------------------------|--------------|---|---------------------|----------------------|----------------|
| H07RN-F, enhanced version 1 X 70 | Lapp 4533009 | 1 X 70 | 23,3 | 672.0 | 914 |
| H07RN-F, enhanced version 4 G 70 | Lapp 4533081 | 4 G 70 | 54.0 | 2688.0 | 4420 |
| H07RN-F, enhanced version 4 X 70 | Lapp 4533082 | 4 X 70 | 54.0 | 2688.0 | 4420 |
| H07RN-F, enhanced version 5 G 70 | Lapp 4533107 | 5 G 70 | 48,1 | 3360.0 | 5863 |
| H07RN-F, enhanced version 5 X 70 | Lapp 4533108 | 5 X 70 | 48,1 | 3360.0 | 5863 |
| H07RN-F, enhanced version 1 X 95 | Lapp 4533010 | 1 X 95 | 26.0 | 912.0 | 1200 |
| H07RN-F, enhanced version 4 G 95 | Lapp 4533083 | 4 G 95 | 61.0 | 3648.0 | 5750 |
| H07RN-F, enhanced version 4 X 95 | Lapp 4533084 | 4 X 95 | 61.0 | 3648.0 | 5750 |
| H07RN-F, enhanced version 5 G 95 | Lapp 4533109 | 5 G 95 | 54,5 | 4560.0 | 7537 |
| H07RN-F, enhanced version 5 X 95 | Lapp 4533110 | 5 X 95 | 54,5 | 4560.0 | 7537 |
| H07RN-F, enhanced version 1 X 120 | Lapp 4533011 | 1 X 120 | 28,6 | 1152.0 | 1481 |
| H07RN-F, enhanced version 4 G 120 | Lapp 4533085 | 4 G 120 | 66.0 | 4608.0 | 6990 |
| H07RN-F, enhanced version 4 X 120 | Lapp 4533086 | 4 X 120 | 66.0 | 4608.0 | 6990 |
| H07RN-F, enhanced version 1 X 150 | Lapp 4533012 | 1 X 150 | 31,4 | 1440.0 | 1833 |
| H07RN-F, enhanced version 4 G 150 | Lapp 4533087 | 4 G 150 | 73.0 | 5760.0 | 8650 |
| H07RN-F, enhanced version 4 X 150 | Lapp 4533088 | 4 X 150 | 73.0 | 5760.0 | 8650 |
| H07RN-F, enhanced version 1 X 185 | Lapp 4533013 | 1 X 185 | 34,4 | 1776.0 | 2190 |
| H07RN-F, enhanced version 4 G 185 | Lapp 4533089 | 4 G 185 | 80.0 | 7104.0 | 9785 |
| H07RN-F, enhanced version 4 X 185 | Lapp 4533090 | 4 X 185 | 80.0 | 7104.0 | 9785 |
| H07RN-F, enhanced version 1 X 240 | Lapp 4533014 | 1 X 240 | 38,3 | 2304.0 | 2780 |
| H07RN-F, enhanced version 1 X 300 | Lapp 4533015 | 1 X 300 | 38,7 | 2880.0 | 3310 |
| H07RN-F, enhanced version 1 X 400 | Lapp 4533016 | 1 X 400 | 40.0 | 3840.0 | 4320 |
| H07RN-F, enhanced version 1 X 500 | Lapp 4533017 | 1 X 500 | 43.0 | 4800.0 | 5342 |