



## H05RN-F

Rubber cable for handheld devices and chains of decorative lights



**Info**

- Oil-resistant

### Benefits

- Type-compliant versions <HAR>-certified with „<HAR>“ testing and certification mark for accelerated granting of approvals if final application of cable is within the European CENELEC area

### Application range

- According to EN 50565-2: for supplying devices in households, kitchens or offices under light mechanical stress; handheld inspection lamps
- According to EN 50565-2: provided the maximum conductor temperature of +60 °C, the maximum outer sheath surface temperature of +50 °C and the lack of ozone resistance are taken into account, suitable for permanent use outdoors with conventional mechanical stress

### Product features

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

### Norm references / Approvals

- <HAR> 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

### Technical data

**Classification ETIM 5/6**  
ETIM 5.0/6.0 Class-ID: EC001578  
ETIM 5.0/6.0 Class-Description: Flexible cable

**Core identification code**  
Coloured according to HD 308

**Conductor stranding**  
Fine wire according to VDE 0295 Class 5 / IEC 60228 Class 5

**Minimum bending radius**  
4 to 8 x outer diameter (EN 50565-1)

**Nominal voltage**  
U0/U: 300/500 V

**Test voltage**  
2000 V

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

**Current rating**  
According to IEC 60364-5-52 / VDE 0298-4  
EN 50565-1 / VDE 0298-565-1

**Temperature range**  
Flexible use: -25 °C to +60 °C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
<b>H05RN-F</b>				
1600250	2 X 0.75	5.7 - 7.4	14.4	55
1600252	3 G 0.75	6.2 - 8.1	21.6	68
16002583	4 G 0.75	6.8 - 8.8	28.8	81
1600251	2 X 1.0	6.1 - 8.0	19.2	63
1600253	3 G 1.0	6.5 - 8.5	28.8	78

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150 / 100 kg. 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](http://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 and graphics are not to scale and do not represent detailed images of the respective products.

### Similar products

- H07RN-F refer to page 87