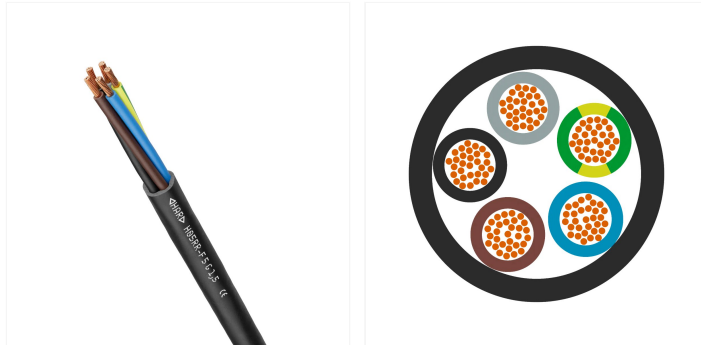


**H05RR-F 4G2,5****Article No.:** 16002123

Power and control cable; 4G2.5; HAR certified;  $U_0/U$ : 300/500 V; Rubber; Conductor identification: Colors; Flexible

**Details****Benefits**

- Made in accordance with harmonized European design H05RR-F, with <HAR> testing mark for proven reliability and quality.
- <HAR> cables are widely accepted and can be used in Europe.

**Application**

- For use with hand-held or power supply devices and simple tool devices.
- For flexible use.
- Can be used in dry and damp rooms.
- Suitable for light mechanical stress.
- Can be used for a limited period of time outdoors.
- Flexible use at temperatures down to -25°C.

**Notes**

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

If applicable, the prices are solid metal prices without additional charges and VAT. Sales only to business customers.

Unless specified otherwise, the product values shown are rated values at room temperature. You can receive additional values, such as tolerances, upon request if they are available and have been released for publication.

Trade product, not a LAPP product.

#### Remarks

Trade product, not a LAPP product.

#### Technical Data

##### General information

|              |                         |
|--------------|-------------------------|
| Product type | Power and control cable |
| Copper index | 645 lb/10000 ft         |

##### Electrical parameters

|                             |   |
|-----------------------------|---|
| Nominal voltage             | $U_0/U$ : 300/500 V AC rms according to IEC |
| test voltage                | 2 kV  |
| Current rating according to | VDE 0298-4                                  |

##### Product design

|  |                              |
|--|------------------------------|
| Harmonized product type                            | H05RR-F                      |
| Cable dimension                                    | 4G2.5                        |
| Nominal cross section conductor (mm <sup>2</sup> ) | 2.5 mm <sup>2</sup>          |
| Conductor material                                 | Bare Copper                  |
| Conductor design                                   | IEC 60228 class 5: fine-wire |
| Including protective ground                        | Yes                          |
| Number of cores                                    | 4                            |
| Shielded   | No                           |
| Min. outer diameter                                | 0.421 in                     |
| Max. outer diameter                                | 0.484 in                     |
| Cable form   | Round                        |
| Core insulation base material                      | Rubber                       |
| Basic material of outer jacket                     | Rubber                       |

|                      |              |
|----------------------|--------------|
| Outer jacket color   | black        |
| Core identification  | Colors       |
| Conductor color code | VDE 0293-308 |

#### Product features

|  |  |
|--|--|
| Application area                                   | Flexible<br>Fixed Installation             |
| For torsional load                                 | No   |
| Minimum bending radius, stationary                 | 4 x outer diameter                         |
| Minimum bending radius in inch, fixed installation | 1.937 in                                   |
| Minimum bending radius, occasionally moved         | 5 x outer diameter                         |
| Minimum bending radius in mm, occasionally moved   | 2.421 in                                   |
| Temperature, fixed installation                    | -40 °C to 60 °C max. conductor temperature |
| Temperature, occasionally moved                    | -25 °C to 60 °C max. conductor temperature |
| Installation temperature min.                      | -25 °C                                     |
| Storage temperature max.                           | -25 °C                                     |
| Storage temperature maximum                        | 40 °C                                      |
| Flame-retardant                                    | No   |
| UV-resistant                                       | No   |
| Halogenfree  | No   |
| Oil resistant                                      | No   |
| PWIS-free  | No   |
| Permanently immersible in water                    | No   |

#### Certifications and standards

|                          |  |
|--------------------------|--|
| CE marking               | Yes  |
| EAC certified            | Yes  |
| EAC certification number | EAЭC N RU Д-DE.АЮ64.В.00130/20, EAЭC N RU Д-DE.АЮ64.В.00142/20 |

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|   |               |
|---|---------------|
| UL recognized   | No            |
| UL listed   | No            |
| cUR recognized  | No            |
| cUL listed  | No            |
| CSA certified   | No            |
| VDE certified   | No            |
| HAR-certified   | Yes           |
| Product standard DIN / EN                                       | EN 50525-2-21 |
| CPR fire class  | Eca           |
| Resistance to flame propagation tested according to UN/ECE-R118 | No            |

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**H05RR-F**

| Article No. | Name           | Number of cores | Including protective ground | Nominal cross section conductor (mm <sup>2</sup> ) | Min. outer diameter | Max. outer diameter | Copper index       |
|-------------|----------------|-----------------|-----------------------------|--|---------------------|---------------------|--------------------|
| 1600200     | H05RR-F 3G1,5  | 3               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.315 in            | 0.37 in             | 290.29 lb/10000 ft |
| 16002013    | H05RR-F 4G1,5  | 4               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.354 in            | 0.409 in            | 387 lb/10000 ft    |
| 16002023    | H05RR-F 5G1,5  | 5               | Yes                         | 1.5 mm <sup>2</sup>                                | 0.386 in            | 0.449 in            | 483.82 lb/10000 ft |
| 1600203     | H05RR-F 2X0,75 | 2               | No                          | 0.75 mm <sup>2</sup>                               | 0.224 in            | 0.264 in            | 96.8 lb/10000 ft   |
| 1600204     | H05RR-F 2X1    | 2               | No                          | 1 mm <sup>2</sup>                                  | 0.24 in             | 0.287 in            | 129.02 lb/10000 ft |
| 1600205     | H05RR-F 2X1,5  | 2               | No                          | 1.5 mm <sup>2</sup>                                | 0.299 in            | 0.346 in            | 193.53 lb/10000 ft |
| 1600207     | H05RR-F 3G0,75 | 3               | Yes                         | 0.75 mm <sup>2</sup>                               | 0.244 in            | 0.291 in            | 145.15 lb/10000 ft |
| 1600208     | H05RR-F 3G1    | 3               | Yes                         | 1 mm <sup>2</sup>                                  | 0.256 in            | 0.303 in            | 193.5 lb/10000 ft  |
| 1600209     | H05RR-F 3G2,5  | 3               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.378 in            | 0.441 in            | 483.8 lb/10000 ft  |
| 16002123    | H05RR-F 4G2,5  | 4               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.421 in            | 0.484 in            | 645 lb/10000 ft    |
| 16002133    | H05RR-F 5G2,5  | 5               | Yes                         | 2.5 mm <sup>2</sup>                                | 0.469 in            | 0.539 in            | 806.36 lb/10000 ft |

V1.1