



## GENERAL DESCRIPTION

H07V-U cables are good solution for power and lighting circuits, also for building wiring. It is suitable for semi-flush exposed conduits and embedded conduits and closed installation ducts. Ideal for internal wiring of appliances.

## STANDARD

Cable comply with the following standards:

- EN 60525-2-31
- EN 60228
- IEC 60332-1-2

## TECHNICAL CHARACTERISTICS

- Maximum temperature rating of the conductor: + 70 °C
- Lowest installation temperature: - 5 °C
- Lowest temperature in operation -30°C
- Test Voltage (AC): 2,5 kV
- Max. Short Circuit Temp : 160 °C
- Min bending radius at installation 6 x D
- Max Tensile strain at installation 50 N/mm<sup>2</sup>

## CONSTRUCTION

1. Conductor: Class 5 flexible copper conductor
2. Insulation: PVC

The above design is only a sample of the options available. Contact our sales team for other specifications. Our policy of continuous improvement may result in a change of specifications without notice.

| Type of Document        | Document number | Date       | Rev. | Pag. |
|-------------------------|-----------------|------------|------|------|
| Technical Specification | TDS-202205375   | 11.03.2022 | 1    | 1    |

| Rated Cross<br>Section<br>mm <sup>2</sup> | Overall Diameter<br>mm | Insulation<br>thickness<br>mm | Weight<br>kg/km | Conductor<br>DC resistance<br>(20°C)<br>Ω/km |
|---|------------------------|-------------------------------|-----------------|--|
| 1x1.5                                     | 3                      | 0.7                           | 20              | 13.3   |
| 1x2.5                                     | 3.6                    | 0.8                           | 32              | 7.98   |
| 1x4                                       | 4.1                    | 0.8                           | 46              | 4.95   |
| 1x6                                       | 4.7                    | 0.8                           | 64              | 3.3  |
| 1x10                                      | 6                      | 1.0                           | 109             | 1.91   |
| 1x16                                      | 7.2                    | 1.0                           | 164             | 1.21   |
| 1x25                                      | 8.9                    | 1.2                           | 254             | 0.78   |
| 1x35                                      | 10.7                   | 1.2                           | 357             | 0.554  |
| 1x50                                      | 13.1                   | 1.4                           | 517             | 0.386  |
| 1x70                                      | 15                     | 1.4                           | 715             | 0.272  |
| 1x95                                      | 17.3                   | 1.6                           | 932             | 0.206  |
| 1x120                                     | 19.3                   | 1.6                           | 1185            | 0.161  |
| 1x150                                     | 21.5                   | 1.8                           | 1482            | 0.129  |
| 1x185                                     | 23.6                   | 2.0                           | 1778            | 0.106  |
| 1x240                                     | 26.8                   | 2.2                           | 2350            | 0.0801                                       |

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| Type of Document        | Document number | Date       | Rev. | Pag. |
|-------------------------|-----------------|------------|------|------|
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