

## H07V-U



### Application

These insulated wires are suitable for laying in tubes, under and surface mounting of plasters and also in closed installation conduits.

The materials used are free from silicon and cadmium and free from varnish damaging substances.

### Standards

acc. to DIN EN 50525-2-31 VDE 0285-525-2-31:2012-01 und IEC 60227-3, self-extinguishing and flame retardant acc. to VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1, DIN EN 50575 VDE 0482-575:2017-02

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

### Construction

**Inner Conductor** bare copper conductor solid according to DIN VDE 0295 cl. 1, IEC 60228 cl. 1  
**Core Insulation** Polyvinyl chloride (PVC)

### Technical Data

|                                     |                      |
|-------------------------------------|----------------------|
| <b>Nominal Voltage</b>              | $U_0/U$ : 450 /750 V |
| <b>Nominal Volatage DC</b>          | $U_0/U$ : 0 /0       |
| <b>Test Voltage</b>                 | 2500 V               |
| <b>Bending Radius fixed (xD)</b>    | 4                    |
| <b>Operating Temperature solid</b>  | -10 °C bis 70 °C     |
| <b>Operating Temperature moving</b> | 5 °C bis 70 °C       |
| <b>Short Circuit Temperature</b>    | 160 °C               |
| <b>Fire Classes</b>                 | Eca                  |

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| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color                                                | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|---------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|
| 00102008               |                  | 1 x 1,5                  | black - black                                                 | 21.0                                             | 2.8                                                        |
| 00102009               |                  | 1 x 1,5                  | blue (similar RAL 5015) - blue (similar RAL 5015)             | 21.0                                             | 2.8                                                        |
| 00102083               |                  | 1 x 1,5                  | light blue (similar RAL 5012) - light blue (similar RAL 5012) | 21.0                                             | 2.8                                                        |
| 00102010               |                  | 1 x 1,5                  | dark blue (similar RAL 5010) - dark blue (similar RAL 5010)   | 21.0                                             | 2.8                                                        |
| 00102012               |                  | 1 x 1,5                  | brown - brown                                                 | 21.0                                             | 2.8                                                        |
| 00102011               |                  | 1 x 1,5                  | green/yellow - green/yellow                                   | 21.0                                             | 2.8                                                        |
| 00102013               |                  | 1 x 1,5                  | grey - grey                                                   | 21.0                                             | 2.8                                                        |
| 00102014               |                  | 1 x 1,5                  | violet - violet                                               | 21.0                                             | 2.8                                                        |
| 00102019               |                  | 1 x 1,5                  | white - white                                                 | 21.0                                             | 2.8                                                        |
| 00102015               |                  | 1 x 1,5                  | orange - orange                                               | 21.0                                             | 2.8                                                        |
| 00102018               |                  | 1 x 1,5                  | red - red                                                     | 21.0                                             | 2.8                                                        |
| 00102078               |                  | 1 x 1,5                  | pink - pink                                                   | 21.0                                             | 2.8                                                        |
| 00102017               |                  | 1 x 1,5                  | green - green                                                 | 21.0                                             | 2.8                                                        |
| 00102016               |                  | 1 x 1,5                  | yellow - yellow                                               | 21.0                                             | 2.8                                                        |
| 00102072               | f                | 1 x 2,5                  | black - black                                                 | 34.0                                             | 3.4                                                        |
| 00102026               |                  | 1 x 2,5                  | black - black                                                 | 34.0                                             | 3.4                                                        |
| 00102027               |                  | 1 x 2,5                  | blue (similar RAL 5015) - blue (similar RAL 5015)             | 34.0                                             | 3.4                                                        |
| 00102073               | f                | 1 x 2,5                  | blue (similar RAL 5015) - blue (similar RAL 5015)             | 34.0                                             | 3.4                                                        |
| 00102108               | k                | 1 x 2,5                  | light blue (similar RAL 5012) - light blue (similar RAL 5012) | 34.0                                             | 3.4                                                        |
| 00102029               |                  | 1 x 2,5                  | brown - brown                                                 | 34.0                                             | 3.4                                                        |
| 00102074               | f                | 1 x 2,5                  | brown - brown                                                 | 34.0                                             | 3.4                                                        |
| 00102028               |                  | 1 x 2,5                  | green/yellow - green/yellow                                   | 34.0                                             | 3.4                                                        |
| 00102075               | f                | 1 x 2,5                  | green/yellow - green/yellow                                   | 34.0                                             | 3.4                                                        |
| 00102030               |                  | 1 x 2,5                  | grey - grey                                                   | 34.0                                             | 3.4                                                        |

| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color                                                | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|---------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|
| 00102082               | k                | 1 x 2,5                  | light grey - light grey                                       | 34.0                                             | 3.4                                                        |
| 00102031               |                  | 1 x 2,5                  | violet - violet                                               | 34.0                                             | 3.4                                                        |
| 00102036               |                  | 1 x 2,5                  | white - white                                                 | 34.0                                             | 3.4                                                        |
| 00102032               |                  | 1 x 2,5                  | orange - orange                                               | 34.0                                             | 3.4                                                        |
| 00102035               |                  | 1 x 2,5                  | red - red                                                     | 34.0                                             | 3.4                                                        |
| 00102034               |                  | 1 x 2,5                  | green - green                                                 | 34.0                                             | 3.4                                                        |
| 00102033               |                  | 1 x 2,5                  | yellow - yellow                                               | 34.0                                             | 3.4                                                        |
| 00102038               |                  | 1 x 4                    | black - black                                                 | 50.0                                             | 3.9                                                        |
| 00102039               |                  | 1 x 4                    | blue (similar RAL 5015) - blue (similar RAL 5015)             | 50.0                                             | 3.9                                                        |
| 00102041               |                  | 1 x 4                    | brown - brown                                                 | 50.0                                             | 3.9                                                        |
| 00102040               |                  | 1 x 4                    | green/yellow - green/yellow                                   | 50.0                                             | 3.9                                                        |
| 00102042               |                  | 1 x 4                    | grey - grey                                                   | 50.0                                             | 3.9                                                        |
| 00102043               |                  | 1 x 4                    | violet - violet                                               | 50.0                                             | 3.9                                                        |
| 00102046               |                  | 1 x 4                    | red - red                                                     | 50.0                                             | 3.9                                                        |
| 00102045               |                  | 1 x 4                    | green - green                                                 | 50.0                                             | 3.9                                                        |
| 00102047               |                  | 1 x 4                    | yellow - yellow                                               | 50.0                                             | 3.9                                                        |
| 00102048               |                  | 1 x 6                    | black - black                                                 | 70.0                                             | 4.4                                                        |
| 00102049               |                  | 1 x 6                    | blue (similar RAL 5015) - blue (similar RAL 5015)             | 70.0                                             | 4.4                                                        |
| 00102084               |                  | 1 x 6                    | light blue (similar RAL 5012) - light blue (similar RAL 5012) | 70.0                                             | 4.4                                                        |
| 00102051               |                  | 1 x 6                    | brown - brown                                                 | 70.0                                             | 4.4                                                        |
| 00102050               |                  | 1 x 6                    | green/yellow - green/yellow                                   | 70.0                                             | 4.4                                                        |
| 00102052               |                  | 1 x 6                    | grey - grey                                                   | 70.0                                             | 4.4                                                        |
| 00102053               |                  | 1 x 6                    | violet - violet                                               | 70.0                                             | 4.4                                                        |
| 00102064               |                  | 1 x 6                    | red - red                                                     | 70.0                                             | 4.4                                                        |

| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color                                    | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|------------------------|------------------|--------------------------|---------------------------------------------------|--------------------------------------------------|------------------------------------------------------------|
| 00102063               |                  | 1 x 6                    | white - white                                     | 70.0                                             | 4.4                                                        |
| 00102054               |                  | 1 x 6                    | green - green                                     | 70.0                                             | 4.4                                                        |
| 00102056               |                  | 1 x 10                   | black - black                                     | 115.0                                            | 5.6                                                        |
| 00102057               |                  | 1 x 10                   | blue (similar RAL 5015) - blue (similar RAL 5015) | 115.0                                            | 5.6                                                        |
| 00102059               |                  | 1 x 10                   | brown - brown                                     | 115.0                                            | 5.6                                                        |
| 00102058               |                  | 1 x 10                   | green/yellow - green/yellow                       | 115.0                                            | 5.6                                                        |
| 00102060               |                  | 1 x 10                   | grey - grey                                       | 115.0                                            | 5.6                                                        |
| 00102062               |                  | 1 x 10                   | red - red                                         | 115.0                                            | 5.6                                                        |
| 00102079               |                  | 1 x 16                   | black - black                                     | 195.0                                            | 7.2                                                        |
| 00102118               |                  | 1 x 16                   | blue (similar RAL 5015) - blue (similar RAL 5015) | 195.0                                            | 7.2                                                        |
| 00102119               |                  | 1 x 16                   | brown - brown                                     | 195.0                                            | 7.2                                                        |
| 00102080               |                  | 1 x 16                   | green/yellow - green/yellow                       | 195.0                                            | 7.2                                                        |
| 00102120               |                  | 1 x 16                   | grey - grey                                       | 195.0                                            | 7.2                                                        |