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| U.I. Lapp GmbH | PRODUCT INFORMATION |  |
| | H07V-K <VDE> | 05.11.2015 |

<VDE> cable type certification

Cables' <VDE> marking is a testing mark/ proof of the successful testing according to VDE/ EN/ HD/ IEC standards as well as possible health and safety regulations. <VDE> is issued by the VDE testing and certification institute.



Info

<VDE>

Application range

Laying in tubes, exposed or buried in plaster, and in closed installation ducts
For direct laying on racks, troughs and tubes only as potential equalisation conductor

Product Make-up

Fine-wired copper conductor of bare copper strands in line with conductor class 5 acc. IEC 60228
Core insulation: Based on PVC

Norm references / Approvals

<VDE> cable type certification acc. EN 50525-2-31

Product features

Flame-retardant according IEC 60332-1-2

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

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

The outer diameters stated in the part number table are maximum values.

Technical Data


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| Classification: | ETIM 5.0 Class-ID: EC000993 ETIM 5.0 Class-Description: Single core cable |
| Conductor stranding: | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5 |
| Minimum bending radius: | According to EN 50565-1 4 x outer diameter (OD) for normal use 2 x OD for cautions bending |
| Nominal voltage: | U ₀ /U: 450/750 V |
| Test voltage: | 2500 V |
| Current rating: | VDE 0298 Part 4 EN 50565-1/ VDE 0298-565-1 |
| Temperature range: | Fixed installation: -40 °C to +80 °C Moved: +5 °C to +70 °C |

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| Part number | Conductor cross-section (mm ²) | Outer diameter (mm) | Core colour | m/ring | Copper index (kg/km) | Weight (kg/km) |
|-------------|--|---------------------|--------------|--------|----------------------|----------------|
| 8120031 | 1,5 | 3.4 | brown | 100 | 14.4 | 22 |
| 8120011 | 1,5 | 3.4 | black | 100 | 14.4 | 22 |
| 8120061 | 1,5 | 3.4 | grey | 100 | 14.4 | 22 |
| 8120021 | 1,5 | 3.4 | blue | 100 | 14.4 | 22 |
| 8120001 | 1,5 | 3.4 | green/yellow | 100 | 14.4 | 22 |
| 8120032 | 2,5 | 3,4 - 4,1 | brown | 100 | 24.0 | 37 |
| 8120012 | 2,5 | 3,4 - 4,1 | black | 100 | 24.0 | 37 |
| 8120062 | 2,5 | 3,4 - 4,1 | grey | 100 | 24.0 | 37 |
| 8120022 | 2,5 | 3,4 - 4,1 | blue | 100 | 24.0 | 37 |
| 8120002 | 2,5 | 3,4 - 4,1 | green/yellow | 100 | 24.0 | 37 |
| 8120033 | 4 | 3,9 - 4,8 | brown | 100 | 38.4 | 45 |
| 8120013 | 4 | 3,9 - 4,8 | black | 100 | 38.4 | 45 |
| 8120063 | 4 | 3,9 - 4,8 | grey | 100 | 38.4 | 45 |
| 8120023 | 4 | 3,9 - 4,8 | blue | 100 | 38.4 | 45 |
| 8120003 | 4 | 3,9 - 4,8 | green/yellow | 100 | 38.4 | 45 |
| 8120034 | 6 | 4,4 - 5,3 | brown | 100 | 57.6 | 71 |
| 8120014 | 6 | 4,4 - 5,3 | black | 100 | 57.6 | 71 |
| 8120064 | 6 | 4,4 - 5,3 | grey | 100 | 57.6 | 71 |
| 8120024 | 6 | 4,4 - 5,3 | blue | 100 | 57.6 | 71 |
| 8120004 | 6 | 4,4 - 5,3 | green/yellow | 100 | 57.6 | 71 |

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