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| 8110001 | DATA SHEET |  |
| Valid from: 12.07.2022 | 60227IEC06 / H05V-K | |

<https://lappapac.lappgroup.com>



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

1. Application

60227IEC06 / H05V-K single core flexible wire for fixed installation and internal wiring of devices and equipment. Signal systems in and on plaster in tubes.

2. Reference Standard(s)

Based on IEC 60227-3 and EN 50525-2-31

3. Cable Construction

- 3.1. Conductor : Fine strands of bare copper wire acc. to VDE 0295/IEC 60228 Cl. 5
- 3.2. Core Insulation : PVC compound
- 3.3. Insulation Colours : Refer to Clause 6, Dimensional Data

4. Technical Data

- 4.1. Rated Voltage : 300/500 V
- 4.2. Test Voltage : 2.0 kV
- 4.3. Conductor Resistance : In acc. to VDE 0295/IEC 60228
- 4.4. Spec. Insulation Res. : > 20 GΩ x cm
- 4.5. Min. Bending Radius : 6 x cable diameter
- 4.6. Temperature Range : -30°C to +70°C
- 4.7. Flame Retardant : In acc. to IEC 60332-1-2
- 4.8. EU Directive : 2014/35/EU (Low Voltage Directive), 2011/65/EU (RoHS)
- 4.9. CE Mark : Yes

5. Certification

VDE tested and certified acc. to EN 50525-2-31
TISI tested and certified acc. to IEC 60227-3

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6. Dimensional Data

| Part No. | Conductor Cross-section mm ² | Approx. Cable OD mm | Insulation Colour - | Copper Index kg/km | Approx. Cable Wt. kg/100m |
|----------|---|---------------------|---------------------|--------------------|---------------------------|
| 8110001 | 0.5 | 2.20 | GNYE | 4.8 | 0.88 |
| 8110011 | 0.5 | 2.20 | BK | 4.8 | 0.88 |
| 8110021 | 0.5 | 2.20 | BU | 4.8 | 0.88 |
| 8110031 | 0.5 | 2.20 | BN | 4.8 | 0.88 |
| 8110041 | 0.5 | 2.20 | RD | 4.8 | 0.88 |
| 8110051 | 0.5 | 2.20 | WH | 4.8 | 0.88 |
| 8110061 | 0.5 | 2.20 | GY | 4.8 | 0.88 |
| 8110091 | 0.5 | 2.20 | OG | 4.8 | 0.88 |
| 8110111 | 0.5 | 2.20 | YE | 4.8 | 0.88 |
| 8110121 | 0.5 | 2.20 | GN | 4.8 | 0.88 |
| 8100548 | 0.5 | 2.20 | LBU | 4.8 | 0.88 |
| 8110002 | 0.75 | 2.30 | GNYE | 7.2 | 1.16 |
| 8110012 | 0.75 | 2.30 | BK | 7.2 | 1.16 |
| 8110022 | 0.75 | 2.30 | BU | 7.2 | 1.16 |
| 8110032 | 0.75 | 2.30 | BN | 7.2 | 1.16 |
| 8110042 | 0.75 | 2.30 | RD | 7.2 | 1.16 |
| 8110052 | 0.75 | 2.30 | WH | 7.2 | 1.16 |
| 8110062 | 0.75 | 2.30 | GY | 7.2 | 1.16 |
| 8110092 | 0.75 | 2.30 | OG | 7.2 | 1.16 |
| 8110112 | 0.75 | 2.30 | YE | 7.2 | 1.16 |
| 8110122 | 0.75 | 2.30 | GN | 7.2 | 1.16 |
| 8100549 | 0.75 | 2.30 | LBU | 7.2 | 1.16 |
| 8110003 | 1 | 2.50 | GNYE | 9.6 | 1.42 |
| 8110013 | 1 | 2.50 | BK | 9.6 | 1.42 |
| 8110023 | 1 | 2.50 | BU | 9.6 | 1.42 |
| 8110033 | 1 | 2.50 | BN | 9.6 | 1.42 |
| 8110043 | 1 | 2.50 | RD | 9.6 | 1.42 |
| 8110053 | 1 | 2.50 | WH | 9.6 | 1.42 |
| 8110063 | 1 | 2.50 | GY | 9.6 | 1.42 |
| 8110093 | 1 | 2.50 | OG | 9.6 | 1.42 |
| 8110113 | 1 | 2.50 | YE | 9.6 | 1.42 |
| 8110123 | 1 | 2.50 | GN | 9.6 | 1.42 |
| 8100550 | 1 | 2.50 | LBU | 9.6 | 1.42 |

Note: Packaging of 100 m/box.

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