



## Single core single insulated wire ZDS H05Z-K 90°C Eca

Article number: 185763

02-10-2026

### Description

1,0 mm<sup>2</sup> Dark blue

### Application:

Halogen-free installation wire for the internal wiring of devices, switch cabinets, control panels, and similar applications. Also suitable for installation in conduit and trunking systems.

### Characteristics (properties):

- Halogen-free
- Suitable for continuous conductor temperature of 90°C
- KEMA-KEUR <HAR> (except for yellow and green colours)
- Lloyd's Register (LR) Type Approval
- EN 50525-2-31
- EN 50575



\* This image may differ from the actual product.

### Trading information

|                |                                                                                  |
|----------------|----------------------------------------------------------------------------------|
| Product group  | Single core single insulated wire                                                |
| Type           | ZDS H05Z-K 90°C Eca                                                              |
| Net. Weight    | 0,014 kg/m                                                                       |
| Sheath marking | TKF - H05Z-K Eca DoP: DoP0022 [-CE-] 1 mm <sup>2</sup> KEMA-KEUR [-HAR-] {Batch} |

### Trade lengths

|            |                                    | Minimal order |
|------------|------------------------------------|---------------|
| Ring à 100 | (185763R X 100 / 8713182387860)    | 1 PCE         |
| Reel à 500 | (185763H X 500/20 / 8713182387853) | 1 PCE         |



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### Construction characteristics

|                                    |                         |
|------------------------------------|-------------------------|
| Standardization                    | NEN EN 50525 / EN 50575 |
| Number of cores                    | 1                       |
| Nominal cross section conductor    | 1 mm <sup>2</sup>       |
| Conductor material                 | Copper                  |
| Conductor surface                  | Bare                    |
| Shape of conductor                 | Round                   |
| Conductor category                 | Class 5 = flexible      |
| Standardization conductor material | IEC 60228               |
| Material core insulation           | Polyolefin              |
| Core identification                | Colour                  |
| Core colour                        | Dark blue               |
| Outer diameter approx.             | 2,5 mm                  |

### Properties

|                                                 |                               |
|-------------------------------------------------|-------------------------------|
| Flame retardant                                 | According to IEC/EN 60332-1-2 |
| Flame retardant according to IEC 60332-1-2      | Yes                           |
| Reaction-to-fire according to EN 13501-6: Class | Eca                           |
| Halogen free                                    | IEC 60754-1 / IEC 60754-2     |
| Low smoke                                       | Yes                           |
| Weight                                          | 14 kg/km                      |



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### Technical characteristics

|                                                                              |             |
|------------------------------------------------------------------------------|-------------|
| Min. permitted bending radius, stationary application/permanent installation | 10 mm       |
| Max. permitted conductor temperature                                         | 90 °C       |
| Permitted cable outer temperature after assembling without vibration         | -20 / 90 °C |
| Permitted cable outer temperature during assembling/handling                 | -5 / 55 °C  |

### Electrical characteristics

|                                |             |
|--------------------------------|-------------|
| Nominal voltage U0             | 300 V       |
| Nominal voltage U              | 500 V       |
| Test voltage                   | 2 kV        |
| Conductor DC resistance @ 20°C | 19,5 Ohm/km |