Single core single insulated wire

ZDS H05Z-K 90°C Eca

Article number: 185750 | 02-10-2026

Description

0,5 mm² 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

PRODUCED WITH 100% GREEN ENERGY

* 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	0,009 kg/m
Sheath marking	TKF - H05Z-K Eca DoP: DoP0022 [-CE-] 0.5 mm2 KEMA-KEUR [-HAR-] {Batch}

Trade lengths

		Minimal order
Ring à 100	(185750R X 100 / 8713182387471)	1 PCE
Reel à 500	(185750H X 500/20 / 8713182387464)	1 PCE

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Construction characteristics

Standardization	NEN EN 50525 / EN 50575
Number of cores	1
Nominal cross section conductor	0,5 mm²
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	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
Halogen free according to EN IEC 60754-1	Yes
Halogen free according to EN IEC 60754-2	Yes
Low smoke	Yes
Weight	9 kg/km

Subject to technical modifications | No rights can be derived from this information

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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	39 Ohm/km

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