



## VDE tested single cores according to EN 50525-3-41 (H05Z-K & H07Z-K) for more demanding requirements

For safety in areas with high density of people; Reduction of flame propagation, density and toxicity of smoke gases in event of fire; Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires; Certified for maritime applications

- Substitutes previous ÖLFLEX® HEAT 145 SC, H05Z-K 110°C & H07Z-K 110°C
- VDE-tested and -marked
- Improved characteristics in the event of a fire



## Product description

### Application range

- For the wiring and connection of lighting, heating appliances, control cabinets, and distributors in mechanical and plant engineering
- For installation in tubes, on, in and under plaster as well as in closed installation ducts

### Benefits

- For safety in areas with high density of people
- Reduction of flame propagation, density and toxicity of smoke gases in event of fire
- Minimises damage to buildings and equipment caused by the formation of toxic acid fumes in fires
- Certified for maritime applications

## Product Make-up

- Fine-wire, tinned-copper conductor
- Electron beam cross-linked polyolefin copolymer insulation

## Norm references / Approvals

- According to EN 50525-3-41 with advanced features
- GL (Germanischer Lloyd)

## Product features

- Fire behaviour:
  - Halogen-free (IEC 60754-1)
  - No corrosive gases (IEC 60754-2)
  - Low smoke density (IEC 61034-2)
  - Flame-retardant (IEC 60332-1-2)
  - Low toxicity (EN 50305)
- Extended fire behaviour:
  - H05Z-K (0,5mm<sup>2</sup> up to 1,0mm<sup>2</sup>):  
see data sheet
  - H07Z-K (? 1,5mm<sup>2</sup>):  
no fire propagation according to IEC 60332-3-24 respectively IEC 60332-3-25
- Oil-resistant according to DIN EN 50290-2-22 (TM54)
- Abrasion and notch-resistant
- UV-resistant according to ISO 4892-2

## Technical Data

Core identification code	refer to article table
Classification	ETIM 5.0 Class-ID: EC000993
	ETIM 5.0 Class-Description: Single core cable
Conductor stranding	Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5 from 0.5 mm <sup>2</sup>
Minimum bending radius	Fixed installation: 4 x outer diameter
Nominal voltage	Up to 1.0mm <sup>2</sup> U <sub>0</sub> /U 300/500 V From 1.5mm <sup>2</sup> U <sub>0</sub> /U 450/750 V 0.6/1kV from 1.5 mm <sup>2</sup> in the case of fixed and protected installation
Test voltage	4000 V
Temperature range	Fixed installation: -55 °C to +125 °C Short-term: up to +145 °C