

GAALFLEX® CONTROL H05Z-K GAALFLEX® CONTROL H07Z-K

Halogen free, insulated single conductor 300/500 V and 450/750 V



ELETTROTEK KABEL® H05Z-K

Construction:

- Conductor:** flexible red copper conductor Cl.5, acc.to IEC 60228, DIN VDE 0295
- Outer sheath:** black (RAL 9005), XLPO type EI5 for the other coloration, see technical data (PAG.462)

Technical data:

Nominal voltage

H05Z-K: U₀/U 300/500 V

H07Z-K: U₀/U 450/750 V

Test voltage

H05Z-K: 2 kV acc.to DIN VDE 0281 part 2 + HD 21.2

H07Z-K: 2,5 kV acc.to DIN VDE 0281 part 2 + HD 21.2

Temperature range: - 40 °C / + 90 °C

Min. bending radius: 8 x d

Resistance:



Flame retardant and Self-extinguishing acc. to:
DIN VDE 0482 part 332-1-2
IEC 60332-1-2



Halogen free acc. to:
DIN VDE 0482 part.267-2
EN 50267-2-1
IEC 60754-1



Smoke density acc. to:
IEC 61034-1-2

Features:

- Halogen-free
- flexible conductor
- harmonized acc. to European standards
- <HAR> H05V-K, H07V-K
- according to DIN VDE 0282-9
- RoHS and CE approval



H05Z-K

| Part no. | No. of cores x cross section n x mm ² | Outer-Ø ca.mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no. (*) |
|----------------|--|---------------------------|---------------------------|----------------------------------|----------------|
| 31490D01010M05 | 0,5 | 2,3 | 4,8 | 9 | 20 |
| 31490D01010M07 | 0,75 | 2,4 | 7,2 | 12,4 | 19 |
| 31490D01010M10 | 1 | 2,6 | 9,6 | 15 | 18 |

H07Z-K

| Part no. | No. of cores x cross section n x mm ² | Outer-Ø ca.mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km | AWG no. (*) |
|----------------|--|---------------------------|---------------------------|----------------------------------|----------------|
| 31490E01010M15 | 1,5 | 3,5 | 14,4 | 24 | 16 |
| 31490E01010M25 | 2,5 | 4 | 24 | 35 | 14 |
| 31490E01010M40 | 4 | 4,8 | 38 | 51 | 12 |
| 31490E01010M60 | 6 | 6 | 58 | 71 | 10 |
| 31490E01010M61 | 10 | 6,7 | 96 | 118 | 8 |
| 31490E01010M62 | 16 | 8,2 | 154 | 180 | 6 |
| 31490E01010M63 | 25 | 10,2 | 240 | 278 | 4 |
| 31490E01010M64 | 35 | 11,5 | 336 | 375 | 2 |
| 31490E01010M65 | 50 | 13,6 | 480 | 560 | 1 |

Other dimensions and colors available on request.