H05Z-K

halogen-free single core, finely stranded, bare wire



TECHNICAL DATA

Single core acc. to DIN VDE 0285-525-3-41 / DIN EN 50525-3-41

Temperature range	flexible -5°C to +90°C fixed -40°C to +90°C
Permissible operating temperature of the conductor	+90°C
Nominal voltage	AC U_0/U 300/500 V
Test voltage	2000 V
Minimum bending radius	fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Foil wrapping around conductor permissible
- Core insulation: cross-linked polyolefin acc. to DIN VDE 0207-363-5 / DIN EN 50363-5 (compound type EI5)
- Core identification: see table

PROPERTIES

- resistant to: ozone
- halogen-free
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- halogen-free acc. to DIN VDE 0285-525-1 / DIN EN 50525-1 appendix B
- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- smoke density acc. to DIN VDE 0482-1034-1+2 / DIN EN 61034-1+2 / IEC 61034-1+2
- ozone-resistant acc. to DIN VDE 0473-811-403 / DIN EN 60811-403

APPLICATION

For applications that require a low development of smoke and corrosive gases in case of fire. Used for internal wiring of devices and for connecting luminaires. For installation in electrical pipes on and under plaster; but only for signal and control circuits.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

H05Z-K

Cross-sec. mm²	Outer-ø min - max mm	AWG, approx.	Cu-weight kg/km	Weight kg/km, approx.	black Part no.	green-yellow Part no.	blue Part no.	brown Part no.	red Part no.	white Part no.	grey Part no.	violet Part no.
0.5	2.1 - 2.6	20	4.8	9.0	**52872**	**52873**	**52874**	**52875**	**52876**	**52877**	**52878**	**52879**
0.75	2.2 - 2.8	19	7.2	12.4	**52881**	**52882**	**52883**	**52884**	**52885**	**52886**	**52887**	**52888**
1	2.4 - 2.9	18	9.6	15.0	**52890**	**52891**	**52892**	**52893**	**52894**	**52895**	**52896**	**52897**

Cross-sec. mm²	Outer-ø min - max mm	AWG, approx.	Cu-weight kg/km	Weight kg/km, approx.	yellow Part no.	orange Part no.	green Part no.	dark blue Part no.	pink Part no.	ultramarine blue Part no.	blue-white Part no.	brown-white Part no.
0.5	2.1 - 2.6	20	4.8	9.0	**52880**	**52946**	**52645**	**52945**	**52162**	**53071**	**51393**	**51394**
0.75	2.2 - 2.8	19	7.2	12.4	**52889**	**52948**	**52646**	**52947**	**52163**	**53072**	**51397**	**51398**
1	2.4 - 2.9	18	9.6	15.0	**52898**	**52950**	**52647**	**52949**	**52164**	**53073**	**51401**	**51402**

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halogen-free single core, finely stranded, bare wire

Cross-sec. mm²	Outer-ø min - max mm	AWG, approx.	Cu-weight kg/km	Weight kg/km, approx.	dark blue-white Part no.	red-white Part no.
0.5	2.1 - 2.6	20	4.8	9.0	**51395**	**51392**
0.75	2.2 - 2.8	19	7.2	12.4	**51399**	**51396**
1	2.4 - 2.9	18	9.6	15.0	**51403**	**51400**

H05Z-K Barrel

Cross-sec. mm²	Outer-ø min - max mm	AWG, approx.	Cu-weight kg/km	Weight kg/km, approx.	black Part no.	green-yellow Part no.	blue Part no.	brown Part no.	red Part no.	white Part no.	grey Part no.	violet Part no.
0.5	2.1 - 2.6	20	4.8	9.0	**52809**	**52810**	**52811**	**52812**	**52813**	**52814**	**52815**	**52816**
0.75	2.2 - 2.8	19	7.2	12.4	**52821**	**52822**	**52823**	**52824**	**52825**	**52826**	**52827**	**52828**
1	2.4 - 2.9	18	9.6	15.0	**52833**	**52834**	**52835**	**52836**	**52837**	**52838**	**52839**	**52840**

Cross-sec. mm²	Outer-ø min - max mm	AWG, approx.	Cu-weight kg/km	Weight kg/km, approx.	yellow Part no.	orange Part no.	green Part no.	dark blue Part no.	dark blue-white Part no.
0.5	2.1 - 2.6	20	4.8	9.0	**52155**	**52819**	**52657**	**52817**	**11008907**
0.75	2.2 - 2.8	19	7.2	12.4	**52156**	**52831**	**52658**	**52829**	**11008908**
1	2.4 - 2.9	18	9.6	15.0	**52157**	**52843**	**52659**	**52841**	**11008909**

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