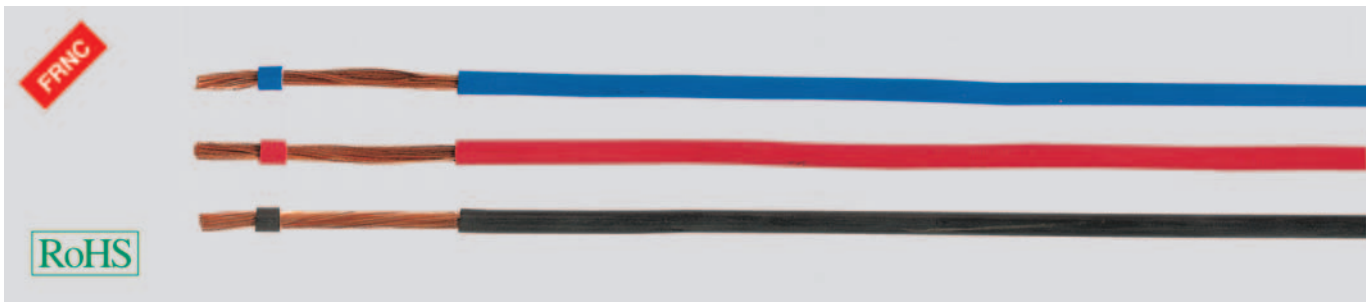


H05Z-K / H07Z-K single core, halogen-free**Technical data**

- Single cores for low emission of smoke and corrosive gases in case of fire to DIN VDE 0285-525-3-41 / DIN EN 50525-3-41
- **Conductor resistance** acc. to DIN VDE 0295 cl.5
- **Temperature range** -40°C to +90°C
- Permissible **working temperature** at conductor +90°C
- **Nominal voltage**
H05Z-K = U_0/U 300/500 V
H07Z-K = U_0/U 450/750 V
- **Test voltage** 2500 V
- **Insulation resistance** at 90°C to DIN VDE 0282 part 9
- **Minimum bending radius** fixed installation
core $\varnothing \leq 8$ mm: 4x core \varnothing
core $\varnothing > 8-12$ mm: 5x core \varnothing
core $\varnothing > 12$ mm: 6x core \varnothing
- **Radiation resistance** up to 20×10^6 cJ/kg (up to 20 Mrad)

Cable structure

- Bare Cu-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Separating foil over conductor permitted
- Core insulation of cross-linked polyolefin compound type EI5 to DIN VDE 0207-363-5 / DIN EN 50363-5
- Core identification see table below
- **LSOH**= Low Smoke Zero Halogen

Properties

- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- Behaviour in fire self-extinguishing and flame retardant to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Ozone resistant acc. to DIN VDE 0473-811-403, DIN EN 60811-403
- Smoke density acc. to DIN VDE 0482 part 1034-1+2, DIN EN 61034-1+2, IEC 61034-1+2, BS 7622 part 1+2 (previously DIN VDE 0472 part 816)
- Halogen-free acc. to DIN VDE 0285-525-1, DIN EN 50525-1 appendix B

Note

- Type H07Z-K
Colour yellow only as (H)07Z-K available

Application

Halogen-free single-core wires are used for installation in dry environments for wiring up lighting fixtures and units where valuable assets are to be protected from further damage resulting from fire. These types are suitable for laying in tubes on and under plaster, as well as in closed installation ducts.

H07Z-K, suitable for protected, permanent laying in or on lighting installations or switching and control equipment up to 1000 V AC or 750 V DC to earth.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

H05Z-K

Cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	BK	GN-YE	BU	BN	RD	WH	GY	VT	YE	D-BU	OG	U-BU
Part no. 0,5	2,1 - 2,6	4,8	9,0	52872	52873	52874	52875	52876	52877	52878	52879	52880	52945	52946	53071
Part no. 0,75	2,2 - 2,8	7,2	12,4	52881	52882	52883	52884	52885	52886	52887	52888	52889	52947	52948	53072
Part no. 1	2,4 - 2,9	9,6	15,0	52890	52891	52892	52893	52894	52895	52896	52897	52898	52949	52950	53073

H07Z-K

Cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight approx. kg / km	BK	GN-YE	BU	BN	RD	WH	GY	VT	YE	D-BU	OG	U-BU
Part no. 1,5	2,8 - 3,5	14,4	24,0	51768	51769	51770	51771	51772	51773	51774	51775	51776	52951	52952	53074
Part no. 2,5	3,4 - 4,3	24,0	35,0	51777	51778	51779	51780	51781	51782	51783	51784	51785	52953	52954	53075
Part no. 4	3,9 - 4,9	38,0	51,0	51786	51787	51788	51789	51790	51791	51792	51793	51794	52955	52956	53076
Part no. 6	4,4 - 5,5	58,0	71,0	51795	51796	51797	51798	51799	51800	51801	51802	51803	52957	52958	53077
Part no. 10	5,7 - 7,1	96,0	118,0	51804	51805	51806	51807	51808	51809	51810	51811	51812	52959	52960	53078
Part no. 16	6,7 - 8,4	154,0	180,0	51813	51814	51815	51816	51817	51818	51819	51820	51821	52961	52962	53079
Part no. 25	8,4 - 10,6	240,0	278,0	51822	51823	51824	51825	51826	51827	51828	51829	51830	52963	52964	53080
Part no. 35	9,7 - 12,1	336,0	375,0	51831	51832	51833	51834	51835	51836	51837	51838	51839	52965	52966	53081
Part no. 50	11,5 - 14,4	480,0	560,0	51840	51841	51842	51843	51844	51845	51846	51847	51848	52967	52968	53082

Continuation ►