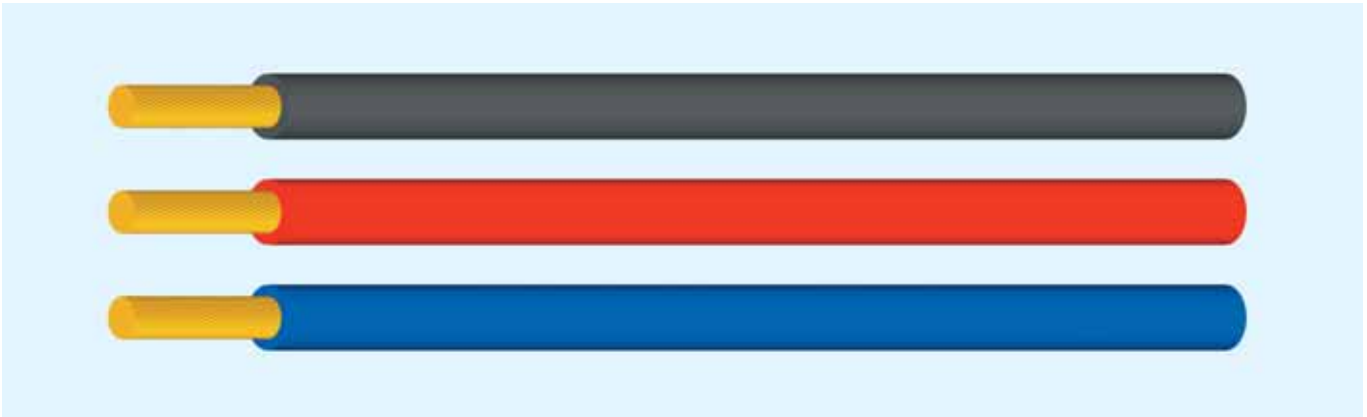


# H05 Z-K/H07 Z-K

Single core conductor, halogen-free, VDE approved



## Cable structure

- Bare or tinned copper conductor according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation of cross-linked polymer compound according to DIN VDE 0207 part 21
- Core colors – see table

## Technical data

- Halogen-free single core cables with low emission of smoke and corrosive gases in case of fire according to DIN VDE 0282 part 9
- **Insulation resistance** according to DIN VDE 0295 cl. 5
- **Temperature range** from -40 °C to +90 °C  
max. permitted working temperature at conductor +90 °C
- **Nominal voltage**  $U_0/U$  300/500 V, 450/750 V
- **Test voltage a.c.** 2000 V, 2500 V
- **Minimum bending radius** approx. 8× cable diameter

## Tests

- Flame-retardant to DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1
- Low corrosiveness of combustion gases to DIN VDE 0482 part 267/BS 6425 PT2/EN 50267-2-2/IEC 60754-2
- Halogen-free to DIN VDE 0482 part 267/BS 6425 PT1/EN 50267-2-1/IEC 60754-1
- Smoke density to DIN VDE 0482 part 268/HD 606/BS 7622 PT1, PT2/EN 50268-1,-2/IEC 61034-1,-2

## Application

These halogen-free single core cables are used for installation in dry areas, for application in distributing boxes where enhanced resistance to fire is required. These cables are suitable for flush-mounted wiring as well as on surface. At d.c. systems is permitted up to 900 V against ground when used in rail technics.

## Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC  
Conforms to RoHS.

Cross-section [mm²]	Approx. outer Ø [mm]	Cooper weight [kg/km]	Approx. cable weight [kg/km]	Part No.											
				black	green/yellow	blue	braun	red	white	gray	violet	yellow			
<b>H05Z-K</b>															
0,5	2,3	4,8	9	0552872	0552873	0552874	0552875	0552876	0552877	0552878	0552879	0552880			
0,75	2,5	7,2	12,4	0552881	0552882	0552883	0552884	0552885	0552886	0552887	0552888	0552889			
1	2,6	9,6	15	0552890	0552891	0552892	0552893	0552894	0552895	0552896	0552897	0552898			
<b>H07Z-K</b>															
1,5	3,5	14,4	24	0551768	0551769	0551770	0551771	0551772	0551773	0551774	0551775	0551776			
2,5	4	24	35	0551777	0551778	0551779	0551780	0551781	0551782	0551783	0551784	0551785			
4	4,8	38	51	0551786	0551787	0551788	0551789	0551790	0551791	0551792	0551793	0551794			
6	6	58	71	0551795	0551796	0551797	0551798	0551799	0551800	0551801	0551802	0551803			
10	6,7	96	118	0551804	0551805	0551806	0551807	0551808	0551809	0551810	0551811	0551812			
16	8,2	154	180	0551813	0551814	0551815	0551816	0551817	0551818	0551819	0551820	0551821			
25	10,2	240	278	0551822	0551823	0551824	0551825	0551826	0551827	0551828	0551829	0551830			
35	11,5	336	375	0551831	0551832	0551833	0551834	0551835	0551836	0551837	0551838	0551839			
50	13,6	480	560	0551840	0551841	0551842	0551843	0551844	0551845	0551846	0551847	0551848			
70	16	672	780	0551849	0551850	0551851	0551852	0551853	0551854	0551855	0551856	0551857			
95	18,4	912	952	0551858	0551859	0551860	0551861	0551862	0551863	0551864	0551865	0551866			
120	20,3	1152	1200	0551867	0551868	0551869	0551870	0551871	0551872	0551873	0551874	0551875			
150	22,7	1440	1505	0551876	0551877	0551878	0551879	0551880	0551881	0551882	0551883	0551884			
185	25,3	1776	1845	0551885	0551886	0551887	0551888	0551889	0551890	0551891	0551892	0551893			
240	28,3	2304	2400	0551894	0551895	0551896	0551897	0551898	0551899	0551900	0551901	0551902			