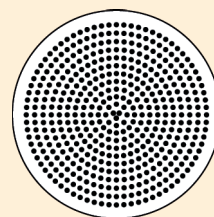
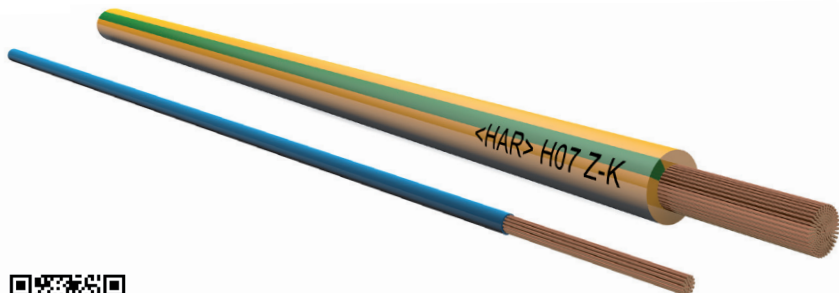


H05 Z-K / H07 Z-K

LSOH wires

RoHS

CROSS SECTION



Acc. to VDE 0285-525-2-31

APPLICATION

Halogen-free core cables with enhanced fire properties are designed for use in dry rooms, for wiring lights, appliances, switchgears and distribution boards, in buildings with high concentrations of people and material assets, as well as in vehicles. They can be used for the internal wiring of appliances, switchgears and distribution boards and for shielded installation in and on lights. DIN VDE 0298 part 3 applies with regard to the general requirements.

STRUCTURE

Conductor	Copper conductor, bare, flexible according to DIN VDE 0295 cl. 5 and IEC 60228 cl. 5, HD 383
Cores	Cross-linked, halogen-free polyolefin insulation, E15 compound according to DIN VDE 0207 part 21
Outer sheath	Halogen-free polyolefin compound E14, coloured

TECHNICAL DATA

Nominal voltage	300 V/450 V 500 V/750 V
Test voltage	2500V
Conductor resistance	According to DIN VDE 0295 cl. 5
Temperature range	-40°C to +90°C
Operating temperature	On the conductor +90°C
Min. bending radius	8 x cable diameter

TESTS ACCORDING TO DIN VDE 0472 AND IEC:

Flammability	Test method B according to VDE 0472 part 804 and IEC 60332-1
Ozone resistance	HD 505.2.1 and 811
Smoke density	HD 606 and IEC 601034-1, 601034-2 and BS 7622 part 1+2

SPECIAL FEATURES

Properties
 Flame retardant
 Halogen free
 Minimal smoke density

Product description		Colour	Cu-Gewicht	Outer Ø (mm)	Weight (kg/km)	Product number	Colour code
H05 ZK	0.5	Black	4.8	2.6	10	1043001	-100
		Green/yellow	4.8	2.6	10	1043001	-101
		White	4.8	2.6	10	1043001	-102
		Red	4.8	2.6	10	1043001	-103
		Light blue RAL5015	4.8	2.6	10	1043001	-104
		Brown	4.8	2.6	10	1043001	-105
		Grey	4.8	2.6	10	1043001	-106
		Dark blue RAL5010	4.8	2.6	10	1043001	-109
		Yellow	4.8	2.6	10	1043001	-110
H05 ZK	0.75	Black	7.2	2.8	12	1043020	-100
		Green/yellow	7.2	2.8	12	1043020	-101
		White	7.2	2.8	12	1043020	-102
		Red	7.2	2.8	12	1043020	-103
		Light blue RAL5015	7.2	2.8	12	1043020	-104
		Brown	7.2	2.8	12	1043020	-105
		Grey	7.2	2.8	12	1043020	-106
		Violet	7.2	2.8	12	1043020	-107
		Orange	7.2	2.8	12	1043020	-108
		Dark blue RAL5010	7.2	2.8	12	1043020	-109
		Yellow	7.2	2.8	12	1043020	-110
H05 ZK	1.0	Black	9.6	3.5	25	1043040	-100
		Green/yellow	9.6	3.5	25	1043040	-101
		White	9.6	3.5	25	1043040	-102
		Red	9.6	3.5	25	1043040	-103
		Light blue RAL5015	9.6	3.5	25	1043040	-104
		Brown	9.6	3.5	25	1043040	-105
		Grey	9.6	3.5	25	1043040	-106
		Violet	9.6	3.5	25	1043040	-107
		Orange	9.6	3.5	25	1043040	-108
		Dark blue RAL5010	9.6	3.5	25	1043040	-109
		Yellow	9.6	3.5	25	1043040	-110
H07 ZK	1.5	Black	14.4	4.3	36	1044100	-100
		Green/yellow	14.4	4.3	36	1044100	-101
		White	14.4	4.3	36	1044100	-102
		Red	14.4	4.3	36	1044100	-103
		Light blue RAL5015	14.4	4.3	36	1044100	-104
		Brown	14.4	4.3	36	1044100	-105
		Grey	14.4	4.3	36	1044100	-106
		Dark blue RAL5010	14.4	4.3	36	1044100	-109
H07 ZK	2.5	Black	24.0	4.9	52	1044120	-100
		Green/yellow	24.0	4.9	52	1044120	-101
		White	24.0	4.9	52	1044120	-102
		Red	24.0	4.9	52	1044120	-103
		Light blue RAL5015	24.0	4.9	52	1044120	-104
		Brown	24.0	4.9	52	1044120	-105
		Grey	24.0	4.9	52	1044120	-106
		Dark blue RAL5010	24.0	4.9	52	1044120	-109
H07 ZK	4.0	Black	38.4	5.5	69	1044140	-100
		Green/yellow	38.4	5.5	69	1044140	-101
		Red	38.4	5.5	69	1044140	-103
		Light blue RAL5015	38.4	5.5	69	1044140	-104
		Brown	38.4	5.5	69	1044140	-105
H07 ZK	6.0	Black	58.0	7.1	120	1044160	-100
		Green/yellow	58.0	7.1	120	1044160	-101
		Red	58.0	7.1	120	1044160	-103
		Light blue RAL5015	58.0	7.1	120	1044160	-104
		Brown	58.0	7.1	120	1044160	-105
H07 ZK	10.0	Black	96.0	8.4	180	1044180	-100
		Green/yellow	96.0	8.4	180	1044180	-101
		Light blue RAL5015	96.0	8.4	180	1044180	-104
		Brown	96.0	8.4	180	1044180	-105
H07 ZK	16.0	Black	154.0	10.6	280	1044200	-100
		Green/yellow	154.0	10.6	280	1044200	-101
		Light blue RAL5015	154.0	10.6	280	1044200	-104
		Brown	154.0	10.6	280	1044200	-105

Product description		Colour	Cu-Gewicht	Outer Ø (mm)	Weight (kg/km)	Product number	Colour code
			240.0				
H07 ZK	25.0	Black	240.0	12.1	380	1044220	-100
		Green/yellow		12.1	380	1044220	-101
			336.0				
H07 ZK	35.0	Black	336.0	14.4	560	1044240	-100
		Green/yellow		14.4	560	1044240	-101
			480.0				
H07 ZK	50.0	Black	480.0	16.6	780	1044260	-100
		Green/yellow		16.6	780	1044260	-101
			672.0				
H07 ZK	70.0	Black	672.0	18.8	1000	1044280	-100
		Green/yellow		18.8	1000	1044280	-101
			912.0				
H07 ZK	95.0	Black	912.0	20.9	1300	1044300	-100
		Green/yellow		20.9	1300	1044300	-101
			1152.0				
H07 ZK	120.0	Black	1152.0	23.3	1600	1044320	-100
		Green/yellow		23.3	1600	1044320	-101
			1440.0				
H07 ZK	150.0	Black	1440.0	25.8	2000	1044340	-100
		Green/yellow		25.8	2000	1044340	-101
H07 ZK	185.0	Black	1776.0	29.4	2600	1044360	-100
		Green/yellow	1776.0	29.4	2600	1044360	-101