

## H05Z-K / H07Z-K



**H05Z-K / H07Z-K** are our standard harmonized halogen-free European flexible single-conductor lead wires. Recommended for use in dry environments for the wiring of lighting fixtures, appliances and units where valuable assets are to be protected from future damage of fire, smoke and corrosive gas. Designed for the internal wiring of switchboards and distributor boards with an alternating nominal voltage up to 1000 Volts or a direct voltage up to 750 volts. The low smoke, zero halogen cable may be installed on, in or beneath plaster and in closed installation ducts.



### Construction:

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Cl-5
- Cross-link polyolefin core insulation
- Cores to VDE-0293 colors on chart
- **LS0H** - low smoke, zero halogen
- H05Z-K (20, 18 & 17 AWG)
- H07Z-K (16 AWG and Larger)
- X05Z-K & X07Z-K for non-HAR colors

### Technical:

- Working voltage: 300/500v (H05Z-K)
- Working voltage: 450/750v (H07Z-K)
- Test voltage: 2500 volts
- Flexing bending radius: 8 x Ø
- Static bending radius: 8 x Ø
- Flexing temp: -15° C to +90° C
- Static temp: -40° C to +90° C
- Flame retardant: IEC 60332.1
- Insulation resistance: 10 MΩ x km

### Approvals:

- <HAR> HD 22.9 S2
- VDE-0282 Part-9
- CE Low Voltage Directive 73/23/EEC and 93/68/EEC
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD	CU LBS/MFT	WT LBS/MFT
20 AWG (16/32) 0,50mm2 32020**	1	.090" / 2.3mm	3	6
18 AWG (24/32) 0,75mm2 32018**	1	.098" / 2.5mm	5	8
17 AWG (32/32) 1,00mm2 32017**	1	.102" / 2.6mm	7	10
16 AWG (30/30) 1,50mm2 32016**	1	.138" / 3.5mm	9	16
14 AWG (50/30) 2,50mm2 32014**	1	.157" / 4.0mm	16	24
12 AWG (56/28) 4,0mm2 32012**	1	.188" / 4.8mm	25	34
10 AWG (84/28) 6,0mm2 32010**	1	.236" / 6.0mm	39	47
8 AWG (80/26) 10,0mm2 32008**	1	.264" / 6.7mm	64	79
6 AWG (128/26) 16,0mm2 32006**	1	.322" / 8.2mm	103	121
4 AWG (200/26) 25,0mm2 32004**	1	.401" / 10.2mm	161	186
2 AWG (280/26) 35,0mm2 32002**	1	.452" / 11.5mm	225	251
1 AWG (400/26) 50,0mm2 32001**	1	.535" / 13.6mm	322	376
2/0 AWG (356/24) 70,0mm2 32021**	1	.630" / 16.0mm	451	523
3/0 AWG (485/24) 95,0mm2 32031**	1	.724" / 18.4mm	612	639
4/0 AWG (614/24) 120,0mm2 32041**	1	.799" / 20.3mm	773	805
300 MCM (765/24) 150,0mm2 32030**	1	.894" / 22.7mm	966	1009
350 MCM (944/24) 185,0mm2 32035**	1	.996" / 25.3mm	1191	1238
500 MCM (1225/24) 240,0mm2 32050**	1	1.114" / 28.3mm	1545	1610

### Color Code Chart

- 00 - Green/Yellow
- 01 - Black
- 02 - Blue (RAL5015)
- 03 - Brown
- 04 - Red
- 05 - White
- 06 - Gray
- 07 - Violet
- 08 - Pink
- 09 - Orange
- 11 - Yellow (Non HAR)
- 12 - Green (Non HAR)
- 14 - Dark Blue (RAL5010)

Insert a 2-digit color code from the Color Code Chart for the \*\* found at the end of the proper part number.  
i.e. - 3202002 - H05Z-K, 20 AWG (0,50mm2) Green/Yellow, OR 3200602 - H07Z-K, 6 AWG (16,0mm2) Blue  
\* Additional AWG sizes are available.