

H05Z-K / H07Z-K

Halogen-Free, HAR, Single Core, 500/750V



H05Z-K / H07Z-K is our most standard harmonized halogen-free European Flexible single-conductor lead wire. 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 in 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
- *LSOH* - 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: -5° 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 2014/35/EU
- ROHS compliant

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT	COLOR CODE CHART
20 AWG (16/32) 0,50mm2						00 - Green/ Yellow
32020**	1	0.102"	2.6mm	3	6	
18 AWG (24/32) 0,75mm2						01 - Black
32018**	1	0.110"	2.8mm	5	7	02 - Blue (RAL5015)
17 AWG (32/32) 1,00mm2						03 - Brown
32017**	1	0.114"	2.9mm	6	9	04 - Red
16 AWG (30/30) 1,50mm2						05 - White
32016**	1	0.138"	3.5mm	10	13	06 - Gray
14 AWG (50/30) 2,50mm2						07 - Violet
32014**	1	0.169"	4.3mm	16	21	08 - Pink
12 AWG (56/28) 4,0mm2						09 - Orange
32012**	1	0.193"	4.9mm	26	30	11 - Yellow (Non HAR)
10 AWG (84/28) 6,0mm2						12 - Green (Non HAR)
32010**	1	0.217"	5.5mm	39	44	14 - Dark Blue (RAL5010)
8 AWG (80/26) 10,0mm2						
32008**	1	0.280"	7.1mm	64	74	
6 AWG (128/26) 16,0mm2						
32006**	1	0.331"	8.4mm	103	114	
4 AWG (200/26) 25,0mm2						
32004**	1	0.417"	10.6mm	161	195	
2 AWG (280/26) 35,0mm2						
32002**	1	0.476"	12.1mm	225	255	
1 AWG (400/26) 50,0mm2						
32001**	1	0.567"	14.4mm	322	355	
2/0 AWG (356/24) 70,0mm2						
32021**	1	0.654"	16.6mm	451	503	



Insert a 2-digit color code from the Color Code Chart for the ** found at the end of the proper part number. i.e. - 3202000 - H05Z-K, 20 AWG (0,50mm2) Green/Yellow, OR 3200602 - H07Z-K, 6 AWG (16,0mm2) Blue

Sizes continued on next page

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H05Z-K / H07Z-K Sizes Continued. (3/0 AWG & Larger)

PART NUMBER	CORES	NOMINAL OD (in)	NOMINAL OD (mm)	CU LBS/ MFT	WT LBS/ MFT
3/0 AWG (485/24) 95,0mm²					
32031**	1	0.740"	18.8mm	612	671
4/0 AWG (614/24) 120,0mm²					
32041**	1	0.669"	17.0mm	773	791
300 MCM (765/24) 150,0mm²					
32030**	1	0.748"	19.0mm	966	1073
350 MCM (944/24) 185,0mm²					
32035**	1	0.827"	21.0mm	1191	1409
500 MCM (1225/24) 240,0mm²					
32050**	1	0.945"	24	1545	2022

