

# ÖLFLEX® HEAT 125 SC

Highly flame retardant high temperature single-conductor cable



ÖLFLEX® HEAT 125 SC are heat-resistant halogen-free single conductors, insulated with a cross-linked LSZH polyolefin copolymer compound with excellent fire characteristics and a wide temperature range.

## Recommended applications

Internal wiring of lamps; heating appliances; switchboards and cabinets; other high temperature appliances

## Approvals



Cable attributes		page 648	
OIL	OR-01	FLAME	FR-03
MOTION	FL-01	MECH.	MP-01

## Construction

**Conductors:** finely stranded tinned copper

**Insulation:** cross-linked polyolefin copolymer

## Application advantage

- Highly flame retardant
- Halogen-free
- Minimizes damage to equipment caused by the formation of toxic acid fumes in fires
- Abrasion and notch-resistant
- DNV-GL type-approved product

## Complete the installation



## Technical data

<b>Minimum bend radius:</b>	4 x cable diameter	<b>Color code:</b>	000: green/yellow	007: violet
<b>Temperature range:</b>	-55°C to +125°C		001: black	009: orange
	- short term: up to 145°C		002: blue	104: red
<b>Nominal voltage:</b>			003: brown	105: white
- H05Z-K:	300/500V		005: yellow	106: grey
- H07Z-K:	450/750V		006: green	114: dark blue
<b>Test voltage:</b>	3500V	<b>Approvals:</b>	H05Z-K & H07Z-K acc. to	
<b>Conductor stranding:</b>	Class 5 fine wire		EN 50525-3-41	
			CE & RoHS	
			DNV-GL certified	

Part number	Standard	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
<b>H05Z-K</b>					
<b>20 AWG (0.5 mm²)</b>					
1232..	H05Z-K	0.087	2.2	3	5
<b>19 AWG (0.75 mm²)</b>					
1233..	H05Z-K	0.095	2.4	11	7
<b>18 AWG (1 mm²)</b>					
1234..	H05Z-K	0.099	2.5	6	9
<b>H07Z-K</b>					
<b>16 AWG (1.5 mm²)</b>					
1235..	H07Z-K	0.118	3.0	10	14
<b>14 AWG (2.5 mm²)</b>					
1236..	H07Z-K	0.142	3.6	16	22
<b>12 AWG (4 mm²)</b>					
1237..	H07Z-K	0.169	4.3	26	33
<b>10 AWG (6 mm²)</b>					
1238..	H07Z-K	0.189	4.8	39	45
<b>8 AWG (10 mm²)</b>					
1239..	H07Z-K	0.244	6.2	65	75
<b>6 AWG (16 mm²)</b>					
1240..	H07Z-K	0.284	7.2	103	116

Part number	Standard	Nominal outer diameter		Copper weight lbs/mft	Approx. weight lbs/mft
		in	mm		
<b>4 AWG (25 mm²)</b>					
1241..	H07Z-K	0.351	8.9	161	176
<b>2 AWG (35 mm²)</b>					
1242..	H07Z-K	0.398	10.1	226	243
<b>1 AWG (50 mm²)</b>					
1243..	H07Z-K	0.493	12.5	226	243
<b>2/0 AWG (70 mm²)</b>					
1244..	H07Z-K	0.559	14.2	452	477
<b>3/0 AWG (95 mm²)</b>					
1245..	H07Z-K	0.654	16.6	613	630
<b>4/0 AWG (120 mm²)</b>					
1246..	H07Z-K	0.717	18.2	774	779
<b>250 KCMIL (150 mm²)</b>					
1247..	H07Z-K	0.812	20.6	968	972
<b>350 KCMIL (185 mm²)</b>					
1248..	H07Z-K	0.887	22.5	1193	1203
<b>450 KCMIL (240 mm²)</b>					
1249..	H07Z-K	1.040	26.4	1548	1558

For LAPP part number, add the double digit color code (see above) to the part number in the table, e.g.: 16 AWG H07Z-K green/yellow = 123500  
 Violet, yellow & green are only available up to 14 AWG; white to 12 AWG; orange to 12 AWG (but not 18 AWG); grey & dark blue to 10 AWG; brown to 8 AWG; blue to 6 AWG; green/yellow to 2/0 AWG and 250 KCMIL

If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.