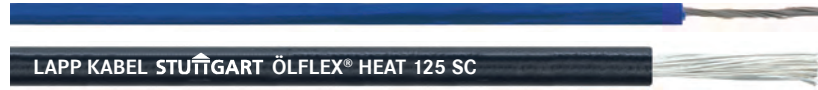


ÖLFLEX® HEAT 125 SC

Highly flame retardant high temperature single-conductor cable



LAPP KABEL STUTTGART ÖLFLEX® HEAT 125 SC

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



SKINDICHT® CN
page 530



EPIC®
connectors
page 284

Technical data

Minimum bend radius: 4 x cable diameter

Temperature range: -55°C to +125°C
- short term: up to 145°C

Nominal voltage:
- H05Z-K: 300/500V
- H07Z-K: 450/750V

Test voltage: 3500V

Conductor stranding: Class 5 fine wire

Color code:

000: green/yellow	007: violet
001: black	009: orange
002: blue	104: red
003: brown	105: white
005: yellow	106: grey
006: green	114: dark blue

Approvals: H05Z-K & H07Z-K acc. to
EN 50525-3-41
CE & RoHS
DNV-GL certified

Part number	Standard	Nominal outer diameter		Copper weight	Approx. weight
		in	mm	lbs/mft	lbs/mft
H05Z-K					
20 AWG (0.5 mm²)					
1232..	H05Z-K	0.087	2.2	3	5
19 AWG (0.75 mm²)					
1233..	H05Z-K	0.095	2.4	11	7
18 AWG (1 mm²)					
1234..	H05Z-K	0.099	2.5	6	9
H07Z-K					
16 AWG (1.5 mm²)					
1235..	H07Z-K	0.118	3.0	10	14
14 AWG (2.5 mm²)					
1236..	H07Z-K	0.142	3.6	16	22
12 AWG (4 mm²)					
1237..	H07Z-K	0.169	4.3	26	33
10 AWG (6 mm²)					
1238..	H07Z-K	0.189	4.8	39	45
8 AWG (10 mm²)					
1239..	H07Z-K	0.244	6.2	65	75
6 AWG (16 mm²)					
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		
4 AWG (25 mm²)					
1241..	H07Z-K	0.351	8.9	161	176
2 AWG (35 mm²)					
1242..	H07Z-K	0.398	10.1	226	243
1 AWG (50 mm²)					
1243..	H07Z-K	0.493	12.5	226	243
2/0 AWG (70 mm²)					
1244..	H07Z-K	0.559	14.2	452	477
3/0 AWG (95 mm²)					
1245..	H07Z-K	0.654	16.6	613	630
4/0 AWG (120 mm²)					
1246..	H07Z-K	0.717	18.2	774	779
250 KCMIL (150 mm²)					
1247..	H07Z-K	0.812	20.6	968	972
350 KCMIL (185 mm²)					
1248..	H07Z-K	0.887	22.5	1193	1203
450 KCMIL (240 mm²)					
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 = 12350000

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