

# Flexible Single Core and Insulated LSOH 90 °C (H07Z-K) 450-750 V

## Application:

Suitable particularly for situations in which low emission of smoke and corrosive gases is required in the case of burning. Are intended for installation in surface mounted or embedded conduits, or similar closed systems. Suitable for fixed protected installation in, or on, lighting and control gear for voltages up to 1000 V a.c. or, up to 750V d.c. to ear

## Specification:

H07Z-K wires are designed and tested according to the requirements of BS7211/BS EN 50268 (IEC 61034) and flame propagation to BS EN 50265 (IEC 60332) standards 50525-3-41. Acid gas emission to BS EN 50267 (IEC60754), smoke emission to BS EN

## Specification:

### Conductor

Flexible annealed copper conductor class 2 according to BS EN 60228 and IEC 60228.

### Insulation:

Thermosetting low smoke zero halogen compound type EI5 acc. to EN 50363-5.

### Colors:

Standard colors are available in black, white, red, blue, green, yellow, yellow/ green, pink, violet, orange, brown and gray.

### Flame retardancy:

Flexible LSOH wires have been tested and approved with the flame performance standards according to BS EN 50265 (IEC 60332).

### Packing:

Available in standard length of 100 yards on coil (Other lengths available on request)

### Marking:

25 mm<sup>2</sup> CU/LSOH H07Z-K 450/750 V 90C BS7211/BS EN 50525-3-41

### Technical Data:

Size	Max. Wire Diam.	Max. DC conductor Resistance.	Insulation Thickness	Nominal Outer Diameter	Approx.Net Weight	Current Carry Capacity at 30C ambient temperature		Ordering Information
						Ampere ( Air)	Ampere (Conduit)	
(MM <sup>2</sup> )	(MM)	(ohm/km at 20C °c)	(MM)	(MM)	(Kg/km)			Item Code
1.5	0.26	13.3	0.7	2.95	20.3	25	21	H07Z-K-01.5-90C
2.5	0.26	7.98	0.8	3.6	31.4	33	29	H07Z-K-02.5-90C
4	0.31	4.95	0.8	4.15	46.6	43	38	H07Z-K-04.0-90C
6	0.31	3.3	0.8	4.7	65.6	55	49	H07Z-K-06.0-90C
10	0.41	1.91	1	6.12	113	74	67	H07Z-K-10.0-90C
16	0.41	1.21	1	7.2	167	99	89	H07Z-K-16.0-90C
25	0.41	0.78	1.2	8.7	263	130	118	H07Z-K-25.0-90C
35	0.41	0.554	1.2	9.7	359	159	145	H07Z-K-35.0-90C
50	0.41	0.386	1.4	11.6	519	199	176	H07Z-K-50.0-90C
70	0.41	0.272	1.4	13.5	703	246	223	H07Z-K-70.0-90C

