

Stranded Single Core and Insulated LSOH 90 °C (H07Z-R) 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 earth

Applicable Standards:

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

Specification:

Conductor

Stranded 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:

Stranded LSOH wires have been tested and approved with the flame performance standards according to BS EN 50265 (IEC 0332).

Packing:

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

Marking:

25 mm² CU/LSOH H07Z-R 450/750 V 90C BS7211/BS EN 50525-3-41

Technical Data:

Size (MM ²)	Construction No. X Diam.	Max. DC conductor Resistance. (ohm/km at 20C °c)	Insulation Thickness (MM)	Nominal Outer Diameter (MM)	Approx.Net Weight (Kg/km)	Current Carry Capacity at 30C ambient temperature		Ordering Information Item Code
						Ampere (Air)	Ampere (Conduit)	
1.5	7 x 0.52	12.1	0.7	3	21.46	25	21	H07Z-R-01.5-90C
2.5	7 x 0.67	7.41	0.8	3.6	33.8	33	29	H07Z-R-02.5-90C
4	7 x 0.85	4.61	0.8	4.2	50.15	43	38	H07Z-R-04.0-90C
6	7 x 1.04	3.08	0.8	4.8	71	55	49	H07Z-R-06.0-90C
10	7 x 1.34	1.83	1	5.9	117	74	67	H07Z-R-10.0-90C
16	7 x 1.68	1.15	1	7	175	99	89	H07Z-R-16.0-90C
25	7 x 2.14	0.727	1.2	8.8	273	130	118	H07Z-R-25.0-90C
35	7 x 2.52	0.524	1.2	9.9	372	159	145	H07Z-R-35.0-90C
50	19 x 1.78	0.387	1.4	11.6	506	199	176	H07Z-R-50.0-90C

