



SM (CABLES)

Low voltage wiring, flexible and special cables



STANDARDS

BS EN 50525-3-31
EN60332-1-2
EN61034
EN50267
EN 50525-1



LSZH Single Core H05Z1-K / H07Z1-K

Halogen Free Flame Retardant, Heat Resistant Single Core Cable



CONSTRUCTION (Cu / LSZH)

- Conductor**
Solid or Flexible (Class 5) Copper
- Insulation**
Cross-linked polyolefine

SPECIFICATIONS



Operating temperature



AC Test Voltage



Maximum short circuit temperature



Minimum Bending Radius



Rated voltage U_o/U



Flame propagation test on single cable. Euroclass Fca.

APPLICATIONS

Suitable for fixed indoor and outdoor installation in dry or wet areas, buried in free-draining soil, laid on cable tray, inside trunking or clipped direct, where in case of fire low levels of smoke emission and corrosive gases is highly necessary.

MARKING

Embossed, or printed with CIJ in white or black indelible ink.

SM (CABLES) to BS 50525-3-31 LSZH 300/500V #X###SQ MM Fca CE

TECHNICAL DATA

Product Code	Nominal Cross Section mm ²	Overall Dimensions mm	Approximate Net Weight kg/km	Maximum Conductor Resistance Ω/km @ 20°C	Current Carrying Capacity in Air Amperes (A)
H05Z1-K (300/500 V)					
SMHFFRLSZH-0/50	0.50	2.0	9	39.0	12
SMHFFRLSZH-0/75	0.75	2.2	12	26.00	15
SMHFFRLSZH-1/00	1	2.4	13	19.50	19
H07Z1-K (450/750 V)					
SMHFRRLSZH1x1/50	1.5	3.0	19	13.30	24
SMHFRRLSZH1x2/50	2.5	3.5	30	7.780	32
SMHFRRLSZH1x4/00	4	4.0	44	5.0	42
SMHFRRLSZH1x6/00	6	4.5	61	3.30	54
SMHFRRLSZH1x10/0	10	6.0	105	1.91	73
SMHFRRLSZH1x16/0	16	7.0	158	1.21	98
SMHFRRLSZH1x25/0	25	9.0	253	0.78	129
SMHFRRLSZH1x35/0	35	10.5	345	0.55	158
SMHFRRLSZH1x50/0	50	12.5	495	0.386	198

* Other Dimensions Available

Specifications and technical data is provided in good faith and is believed to be correct at the time of publication. Actual products may differ in dimensions due to manufacturing tolerances. The information provided within this document is typical and is intended for guidance only. This specification and data is subject to changes without notice or liability.

LOW VOLTAGE POWER CABLE



info@smcables.com



1-800-21-661-666