



# SM (CABLES)

Low voltage wiring, flexible and special cables

SM CABLES

## STANDARDS



EN50525-2-31  
EN60228  
EN60227-3  
EN50265-2-1  
IEC60332-1-2









## Single Core Wire, H05V-U (2491X) / H07V-U (6491X)

PVC Insulated, Single Core Cable with Solid Conductors

### CONSTRUCTION (Cu/PVC)

-  **Conductor**  
Solid copper (Class 1)
-  **Insulation**  
Polyvinyl chloride Type: T11

### SPECIFICATIONS

-  **70°C** Maximum operating temperature
-  **2KV/2.5KV** AC Test Voltage
-  **160°C** Maximum short circuit temperature
-  **4 X D** Minimum Bending Radius
-  **300/500V** Rated voltage U<sub>o</sub>/U
-  Flame propagation test on single cable. Euroclass Eca.



### APPLICATIONS

Used for dry protected installations including light fittings, switch and distribution boards, laid inside conduit and trunking, under plaster, on cable trays and cable supports.

### MARKING

Embossed, indented, or printed with CIJ in Black or white indelible ink.

SM (CABLES) to BS EN 50525-2-31 05V-U ###SQ MM 300/500V Eca CE

SM (CABLES) to BS EN 50525-2-31 07V-U ###SQ MM 450/750V Eca CE

### TECHNICAL DATA

Product Code	Nominal Cross Section mm <sup>2</sup>	Overall Dimensions mm	Approximate Net Weight kg/km	Maximum Conductor Resistance Ω/km @ 20°C	Current Carrying Capacity in Air Amperes (A)
<b>H05V-U 300/500V / 2491X</b>					
SM05VU0/50	0.5	1.9	9	36	-
SM05VU0/75	0.75	2.1	11	24.5	16
SM05VU1/00	1	2.2	14	18.1	20
<b>H07V-U 450/750V / 6491X</b>					
SM07VU1/50	1.5	2.6	20	12.1	25
SM07VU2/50	2.5	3.2	31	7.41	34
SM07VU4/00	4	3.6	45	4.61	45
SM07VU6/00	6	4.1	66	3.08	57
SM07VU10/0	10	5.3	106	1.83	78

PVC - LOW VOLTAGE WIRING

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