

## CONSTRUCTION

- 1 Copper conductor (class 1-2)
- 2 PVC insulation



## SPECIFICATIONS

Code : H05V-U | H07V-U | H07V-R  
 Standards : HD 21.3  
 VDE 0281-3 | IEC 60227-3 | BS 6004  
 Rated Voltage :  $U_0/U=300/500$  V -  $450/750$  V

Application :  
 Used in steady installations and equipment in conduit over and under plaster. Also should be used in dry and closed places.



Temperature Range



Max. Operating Temperature



Short Circuit Temperature



Flame Retardant  
IEC 60332 -1-2



Min. Bending Radius



RoHS

## PHYSICAL AND ELECTRICAL PROPERTIES

| Nominal Cross-section | Overall diameter (approx.) | Net weight (approx.) | Delivery length | Conductor DC resistance at 20°C | Current carrying capacity |             |
|-----------------------|----------------------------|----------------------|-----------------|---------------------------------|---------------------------|-------------|
|                       |                            |                      |                 |                                 | In conduit                | In the wall |
| mm <sup>2</sup>       | mm                         | kg/km                | m               | $\Omega$ / km (max.)            | A (30°C)                  | A (30°C)    |
| 1 re                  | 2.3                        | 14                   | 100             | 18.1                            | 11                        | 14          |
| 1.5 re                | 2.8                        | 20                   | 100             | 12.1                            | 15                        | 18          |
| 2.5 re                | 3.4                        | 31                   | 100             | 7.41                            | 20                        | 24          |
| 4 re                  | 3.8                        | 46                   | 100             | 4.61                            | 26                        | 32          |
| 6 re                  | 4.3                        | 65                   | 100             | 3.08                            | 34                        | 41          |
| 1.5 rm                | 3.0                        | 21                   | 100             | 12.1                            | 15                        | 18          |
| 2.5 rm                | 3.6                        | 33                   | 100             | 7.41                            | 20                        | 24          |
| 4 rm                  | 4.1                        | 48                   | 100             | 4.61                            | 26                        | 32          |
| 6 rm                  | 4.7                        | 68                   | 100             | 3.08                            | 34                        | 41          |
| 10 rm                 | 6.0                        | 112                  | 100             | 1.83                            | 46                        | 57          |
| 16 rm                 | 7.0                        | 168                  | 100             | 1.15                            | 61                        | 76          |
| 25 rm                 | 8.4                        | 258                  | 100             | 0.727                           | 80                        | 101         |
| 35 rm                 | 9.4                        | 350                  | 100             | 0.524                           | 99                        | 125         |
| 50 rm                 | 11.0                       | 480                  | 1000            | 0.387                           | 119                       | 151         |
| 70 rm                 | 12.6                       | 670                  | 1000            | 0.268                           | 151                       | 192         |
| 95 rm                 | 14.6                       | 920                  | 1000            | 0.193                           | 182                       | 232         |
| 120 rm                | 16.1                       | 1150                 | 1000            | 0.153                           | 210                       | 269         |
| 150 rm                | 18.0                       | 1430                 | 1000            | 0.124                           | 240                       | -           |
| 185 rm                | 20.0                       | 1770                 | 1000            | 0.0991                          | 273                       | -           |
| 240 rm                | 22.8                       | 2310                 | 1000            | 0.0754                          | 320                       | -           |