

# TECHNICAL DATASHEET

## H07V-U / 60227 IEC 01 (Cu/PVC)

### APPLICATION

In dry rooms, switch and distribution boards, for laying in conduit on and under plaster and on insulating supports above plaster.



Nominal cross section (mm <sup>2</sup> )	mm <sup>2</sup>	2,5
Rated voltage (U <sub>0</sub> /U)	V	450/750
Applicable standards	-	EN 50525-2-31, IEC 60227-3

### 1 CONDUCTOR

Material of conductor	-	Class 1 solid copper
Applicable standard	-	EN 60228, IEC 60228

### 2 INSULATION

Material of insulation	-	PVC (Polyvinyl chloride) acc. to EN 50363-3 TI 1 PVC (Polyvinyl chloride) acc. to IEC 60227-1 PVC/C
Nominal thickness of insulation	mm	0,80
Overall cable diameter (approx)	mm	3,35
Colour of insulation	-	BLUE

### TECHNICAL DATAS AND SPECIFICATIONS

Maximum resistance of the conductor at 20 °C	ohm/km	7,41
Current carrying capacity in; Conduit / Air	A	19 / 32
AC Test voltage	V	2500
Minimum bending radius during laying	mm	4xCable Ø
Weight of cable (approx)	kg/km	32
Temperature range	°C	-20 / 70
Maximum operating temperature	°C	70
Maximum short circuit temperature (max. 5 sec.)	°C	160
Flame propagation test on single cable	-	EN 60332-1-2, IEC 60332-1-2



-20 / +70 °C  
Temperature range



70 °C  
Max. operating temperature



160 °C  
Max. short circuit (max. 5 sec.)



EN-IEC 60332-1-2  
Flame test standard



RoHS  
Compliance



REACH  
Compliance



European  
Conformity



Eurasian  
Conformity