

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 ²)	mm ²	1,5
Rated voltage (U ₀ /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	0,70
Overall cable diameter (approx)	mm	2,75
Colour of insulation	-	BLACK

TECHNICAL DATAS AND SPECIFICATIONS

Maximum resistance of the conductor at 20 °C	ohm/km	12,10
Current carrying capacity in; Conduit / Air	A	14 / 24
AC Test voltage	V	2500
Minimum bending radius during laying	mm	4xCable Ø
Weight of cable (approx)	kg/km	20
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