H05V-U
H07V-U



Application

For internal wiring of electric machines and equipments.

Technical data

- manufactured acc. To EN 50525-2-31
- rated voltage Uo/U: for **H05V-U** - 300 / 500 V; for **H07V-U** - 450 / 750 V
- test voltage: for **H05V-U** - 0.5 up to 1.0 mm ^{2} : 2 kV ; **for H07V-U** - 1.5 up to 10.0 mm ^{2} : 2.5 kV
- maximum conductor temperature: + 70 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment: - 30 °C up to +50 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius : for diameters up to 10 mm : 10D; for diameters above 10 mm : 15D (D - cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1-2
- Approval - VDE

Cable design

- copper conductors class 1 acc. to IEC 60228
- insulation: PVC compound type TI1 according to EN 50363-3

Core identification

- yellow-green, white, black, grey, blue, brown, red or other upon request

Cross section of conductors mm^2	Outer Diameter mm	Copper Weight kg/km	Cable Weight kg/km
H05V-U			
0,5	2,1	4,8	8,8
0,75	2,2	7,2	11,0
1,0	2,4	9,6	14,0
H07V-U			
1,5	2,9	14,4	21,0
2,5	3,5	24,0	33,0
4,0	3,9	38,4	49,0
6,0	4,5	57,6	69,0
10,0	5,7	96,0	115,0