H05V2-R
H07V2-R



Application

For fixed installation in lighting networks, power systems, for wiring in control boards, machines and instruments with higher operating temperature.

Technical data

- manufactured acc. to HD 21.7 S2
- rated voltage Uo/U: for H05V2-R - 300 / 500 V; for H07V2-R - 450 / 750 V
- test voltage: for H05V2-R : 2 kV ; for H07V2-R : 2.5 kV
- maximum conductor temperature: + 90 °C
- max. conductor temperature at short circuit for 5 s : +160 °C
- temperature of environment: - 25 °C up to +60 °C
- minimum temperature during installation: - 5 °C
- minimum bending radius : 10D (D - cable diameter)
- flame test: flame-retardant acc. to IEC 60332-1

Cable design

- copper conductors class 2 according to IEC 60228 (for 16 mm^2 - 7 or 19 wires in the conductor)
- insulation: PVC compound type TI3 according to HD 21.1

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
H05V2-R			
0,5	2,4	4,8	10
0,75	2,6	7,2	13
1,0	2,8	9,6	16
H07V2-R			
1,5	3,0	14,4	24
2,5	3,7	24,0	36
4,0	4,3	38,4	55
6,0	4,9	57,6	75
10,0	6,2	96,0	125
16,0	7,3	153,6	189
25,0	9,0	240,0	295
35,0	10,2	336,0	393

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