

H05V2-U & H07V2-U

Application and Description

H05V2-U/H07V2-U cables are for fixed protected installation inside appliances and in, or on, lighting fittings. Suitable for installation in surface mounted or embedded conduits, only for signalling and control circuits. Maximum conductor temperature in normal use 90°C. Not to be used in contact with object higher than 85°C. Not suitable for fixed distribution system.

Standard and Approval

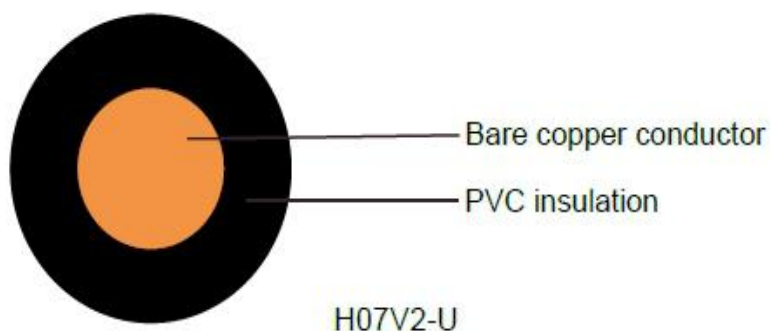
<HAR> HD 21.7 S2, VDE-0281 Part-7, CEI20-20/7,
CE Low Voltage Directive 73/23/EEC and 93/68/EEC, ROHS compliant

Cable Construction

Solid bare copper single wire
Solid to DIN VDE 0281-3, HD 21.3 S3 and IEC 60227-3
Special PVC TI3 ore insulation
Cores to VDE-0293 colors on chart
H05V-U (20, 18 & 17 AWG)
H07V-U (16 AWG and Larger)

Technical Characteristics

Working voltage: 300/500v (H05V-U)
Working voltage: 450/750v (H07V-U)
Test voltage: 2000V(H05V-U)/2500V (H07V-U)
Flexing bending radius: 15 x Ø
Static bending radius: 15 x Ø
Flexing temperature: -5° C to +70° C
Static temperature: -30° C to +80° C
Short circuit temperature: +160° C
Flame retardant: IEC 60332.1
Insulation resistance: 10 MΩ x km



AWG	No. of Cores x Nominal Cross Sectional Area	Nominal Thickness of Insulation	Nominal Overall Diameter	Nominal Copper Weight	Nominal Weight
	# x mm ²	mm	mm	kg/Km	kg/Km
20	1 x 0.5	0.6	2.1	4.8	9
18	1 x 0.75	0.6	2.2	7.2	11
17	1 x 1	0.6	2.4	9.6	14
16	1 x 1.5	0.7	2.9	14.4	21
14	1 x 2.5	0.8	3.5	24.0	33
12	1 x 4	0.8	3.9	38.0	49
10	1 x 6	0.8	4.5	58.0	69
8	1 x 10	1.0	5.7	96.0	115