


Technical Data Sheet H05V2-U

	Rated voltage	Min. installation temp.	Max. installation temp.	Min. bending radius
	300/500	5°C	90°C	5xD

<u>Description:</u>	90°C rated IMQ-HAR approved PVC insulated wire with solid conductor, with harmonized CEI 20-20 specification.
<u>Conductor material:</u>	Class 1 conductor manufactured with bare or tin-plated copper.
<u>Insulation material:</u>	Type TI3 PVC. Hardness: 92 ± 2) Sh-A
<u>Colours of insulation:</u>	Upon request from RAL table and according to standard CEI 20-20.
<u>Guide to use:</u>	Internal wiring for signal and control of equipment, for use in conduits or where cable is protected from mechanical damage. Also for fixed and protected installations inside the apparatus of a lamp. Suitable where higher heat resistance is required. Not suitable for external use. The maximum cable strain is 15 N/mm ²
<u>Tests Executed:</u>	The compliance of the cable is to directives BT 73/23 e BT 93/68, the tests included in the standard CEI 20-20 latest edition and explained in the test reports number 01R0330—01R0331 have been executed.

Conductor size (mm ²)	Conductor stranding N° wire x Ø wire (N° x mm)	Maximum electrical resistance at 20°C (Ω /Km)		Radial thickness of insulation (mm)	Nominal overall diameter. (mm)
		TPC*	BC*		
0.50	1 x 0.8	36.0	36.7	0.6	2.05 ± 0.05
0.75	1 x 0.97	24.5	24.8	0.6	2.2 ± 0.1
1.00	1 x 1.13	18.1	18.2	0.6	2.4 ± 0.1

TPC* =Tin-plated Copper BC*= Bare Copper