

Definition

Technical definitionH05V-U, H07V-U & H07V-R

Voltage rating:

H05V-U.....300/500 V.
H07V-U.....450/750 V.
H07V-R.....450/750 V.



Max. operative service:

operating.....70° C
short circuit(5 s.).....160° C



Test voltage:

H05V-U-----2000 V. (15 min.)
H07V-U-----2500 V. (15 min.)
H07V-R-----2500 V. (15 min.)

Constructive description: according to UNE 21031- 3:

1 Solid electrolytic copper conductor class 1 (H05V-U & H07V-U) and class 2 (H07V-R), according to UNE-EN 60228/ EN 60228 /IEC 60228.

2 PVC insulation type TI 1 according to UNE 21031-1.

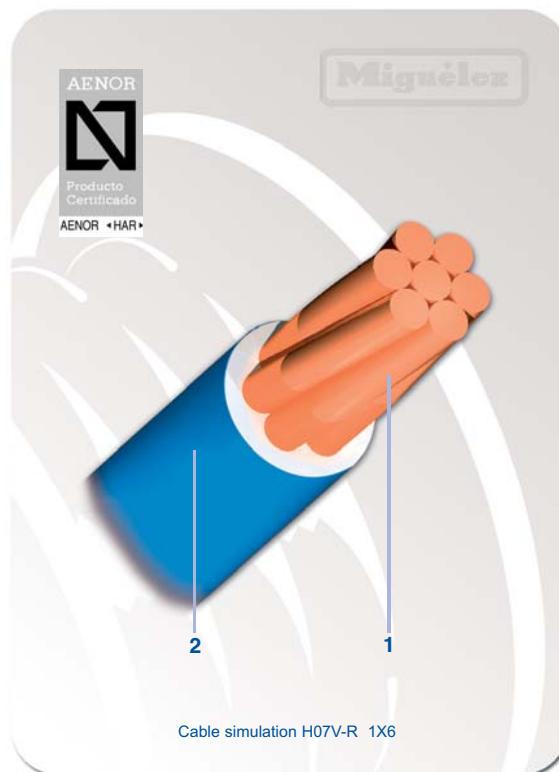
These cables are always single core



Rank of temperatures of storage, transport and handling:

Minimum T.°C: +5 Maximum T. °C: +40 (1)

(1) Exposed to the sun, the surface temperature of the cable can exceed the value given, but limited to a maximum of 60°C.



Cable simulation H07V-R 1X6

Applications

Installation type: FIXED

Users Guide:

H07V-U / H07V-R en "facilities in conducts, located on surfaces or embedded, or in closed systems analogous." Also recommended for fixed or protected light assembly, control, for voltages until 1000V in alternating current (or until 750V in DC). (UNE 21176).

H05V-U in "rigid installation protected inside systems and to, or on, fixed lights. They are adapted for facilities made in conducts placed superficially or embedded, only in the case of signal wirings or control." (UNE 21176). This is specially indicated for inner installations, since its high index of sliding facilitates its positioning under an embedded tube.

Suitable methods of installation:

H05V-U: In canals closed only in signal wirings and control. In internal wiring of equipment and electrical mechanisms in zones of normal temperature.

H07V-U: In closed and tubular tubes, canals. In internal wiring of equipment and electrical mechanisms in zones of normal temperature.

H07V-R: In closed and tubular tubes, canals. In internal wiring of equipment and electrical mechanisms in zones of normal temperature.

The Maximum temperature of the conductor to whom a cable in individual can work, depends on the temperature limit of other cables and accessories that are in contact with.

Functional characteristics

A) Extra-sliding:

The special composition of the isolation in cables BARRY H05/07 V-U, R, guarantees an optimal sliding, reducing the time of installation.



B) Non flame propagation test:

The isolation composition of PVC type TI 1, guarantees non-propagation of the flame according to: UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.



300 V-750 V



H05V-U, H07V-U & H07V-R



Dimensional characteristics and colours

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C	Colour available
	mm ²	mm	mm	Kg/km	Ohm/km	
H05V-U						
83243	1x1	2,3	0,6	13,7	18,1	
H07V-U						
83244	1x1,5	2,8	0,7	19,5	12,1	
83245	1x2,5	3,4	0,8	29,8	7,41	
83246	1x4	3,8	0,8	46,1	4,61	
H07V-R						
83247	1x6	4,6	0,8	66,4	3,03	
83248	1x10	5,8	1,0	113,0	1,83	
83249	1x16	6,9	1,0	170,0	1,15	
83250	1x25	8,6	1,2	268,0	0,727	
83251	1x35	9,6	1,2	369,0	0,524	
83252	1x50	11,1	1,4	484,0	0,387	
83253	1x70	12,6	1,4	660,0	0,268	
83254	1x95	14,7	1,6	934,0	0,193	

Available references of permanent stock and **Integrated Service** net

Presentation

boxes, packages and standard pallet sizes

Cable type	Nominal cross-section	M.Pallet	m./coils	m./packages
BARRY H05V-U	1x1	45.000	200	1000m
BARRY H07V-U	1x1,5	30.000	200	1000m
BARRY H07V-U	1x1,5	15.000	100	500m
BARRY H07V-U	1x2,5	27.000	200	600m
BARRY H07V-U	1x2,5	15.000	100	500m
BARRY H07V-U	1x4	18.000	100	400m
BARRY H07V-R	1x6	13.500	100	300m
BARRY H07V-R	1x10	7.200	100	100m
BARRY H07V-R	1x16	7.200	100	100m
BARRY H07V-R	1x25	4.200	100	100m
BARRY H07V-R	1x35	4.200	100	100m

PVC 70°C

300-750 V