

barryflex

H05V-K & H07V-K

Definition

Technical definition:H05V-K, H07V-K

Voltage rating:

H05V-K.....3.00/500 V.
H07V-K.....450/750 V.



Max. operative temperature:

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



Tensión de ensayo: H05V-K-----2000 V. (15 min.)
H07V-K-----2500 V. (15 min.)

Constructive description:

 according to UNE 21031- 3:

1 Flexible electrolytic copper conductor class 5 according to UNE-EN 60228/ EN 60228 /IEC 60228.

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

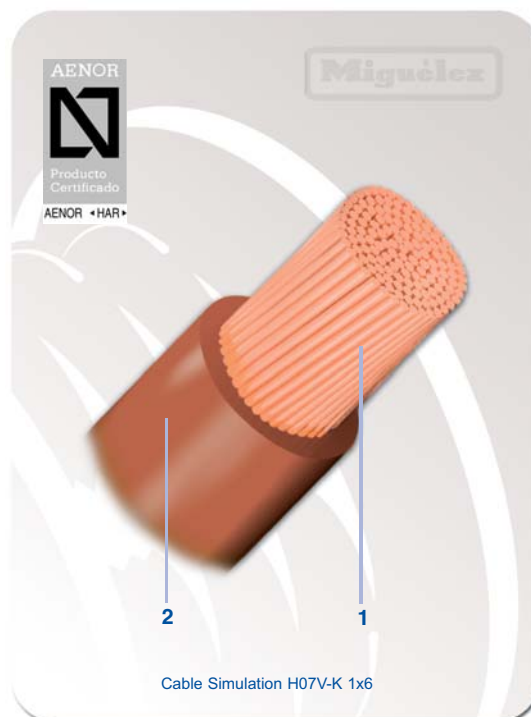
These cables are always single-core.



Rank of temperatures of storage, transport and handling:

T. minimum °C: +5 *T. maximum* °C: +40 (1)

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



Cable Simulation H07V-K 1x6

Applications

Installation type:FIXED

Guía de utilización:

H07V-K 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-K 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-K: In tubes closed only in signal wirings and control.

In internal wiring of equipment and electrical mechanisms in zones with normal temperature.

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

The highest temperatures of the conductor to whom a cable in individual can work, depends on the limit temperatures of other cables & accessories are in contact with.

Functional Characteristics

A) Non flame propagation test:

The composition of the isolation of PVC type TI 1, guarantees non flame propagation according to standard requirement:

UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1.

B) Extra-sliding:

Optimum sliding characteristics.It guarantees an optimal sliding, reducing the time of installation.

C) Flexibility:

The use of flexible copper conductor forming a rope yarn of several very fine threads in combination with the isolation equips these cables with exceptional degrees of flexibility.



300 V-750 V



H05V-K & H07V-K



Dimensional characteristics and colours

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C	Colours available
	mm ²	mm	mm	Kg/km	Ohm/km	
H05V-K						
80233	1x0.50	2,1	0,6	9,3	39	
80234	1x0.75	2,3	0,6	11,6	26	
80272	1x1	2,4	0,6	14,3	19,5	
H07V-K						
80273	1x1.5	2,9	0,7	19,5	13,3	
80274	1x2.5	3,6	0,8	30,8	7,98	
80275	1x4	4,2	0,8	45,7	4,95	
80276	1x6	4,7	0,8	65,0	3,3	
80277	1x10	6,2	1,0	111,0	1,91	
80278	1x16	7,3	1,0	173,0	1,21	
80279	1x25	9,3	1,2	261,0	0,78	
80280	1x35	10,4	1,2	354,0	0,554	
80281	1x50	12,0	1,4	498,0	0,386	
80282	1x70	14,2	1,4	682,0	0,272	
80283	1x95	15,7	1,6	897,0	0,206	

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

Presentation

Boxes, packages and standard pallet sizes

Cable type	Nominal section	M. pallet	m./coils	m./packages
BARRYFLEX H05V-K	1x0,50	45.000	200	1000m
BARRYFLEX H05V-K	1x0,75	45.000	200	1000m
BARRYFLEX H05V-K	1x1	45.000	200	1000m
BARRYFLEX H07V-K	1x1,5	30.000	200	1000m
BARRYFLEX H07V-K	1x2,5	18.000	200	600m
BARRYFLEX H07V-K	1x4	18.000	100	400m
BARRYFLEX H07V-K	1x6	13.500	100	300m
BARRYFLEX H07V-K	1x10	7.200	100	100m
BARRYFLEX H07V-K	1x16	7.200	100	100m
BARRYFLEX H07V-K	1x25	4.200	100	100m
BARRYFLEX H07V-K	1x35	3.600	100	100m

PVC 70°C

300-750 V