

# termoflex ss

H05SS-K

## Definition

Technical definition: .....H05SS-K

Voltage rating: .....300/ 500 V



Max. operating temperature:

operating service: .....180°C

short-circuit (5 s.): .....250°C



Voltage test: 1500V up to 0,6 mm. thickness (15 min.)  
2000V over 0,6 mm. thickness (15 min.)

Constructive description: according to  
UNE 21027-3 ; HD 22.3 standards.



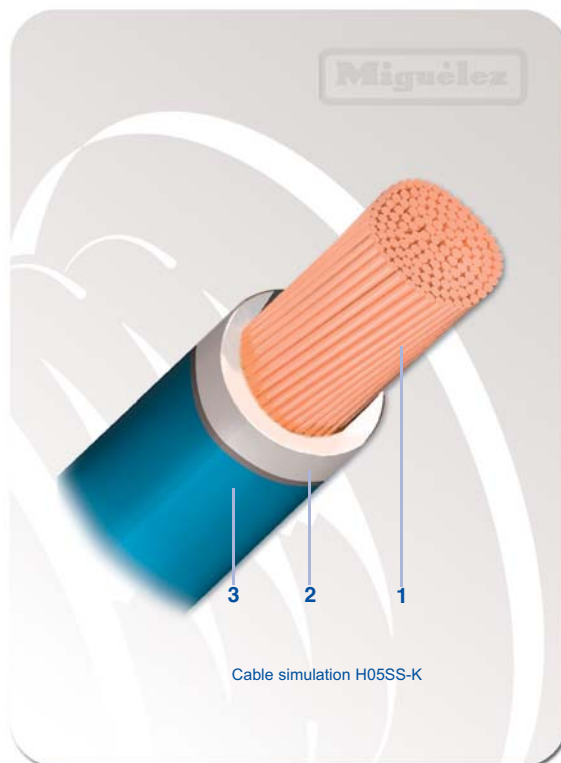
- 1 Flexible electrolytic copper conductor class 5  
according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.
- 2 Insulation made by a cross-linked compound type EI2,  
according to UNE 21027-1 (HD 22.1) standard.
- 3 Sheath made by a cross-linked compound type EM9,  
according to UNE 21027-1 (HD 22.1) standard.



Rango de Temperaturas de almacenaje, transporte y manejo:

T. mínima °C: -25

T. máxima °C: +40 (1)



## Applications

Installation type: .....FIXED

Users Guide:

**H05SS-K:** "With high temperature for fixed facilities in and on lamps in equipment, specially when one requires a cable isolated and covered. The maximum temperature of the conductor in normal use is 180° C. Cable can be damaged for abrasion. It is convenient to have well-taken care of to avoid this in use and installation." ( UNE 21176)

Suitable installation methods:

**H05SS-K:** In tubes (1) only in sections 1,5 mm<sup>2</sup> or over.

In closed canals(1) only in sections 1,5 mm<sup>2</sup> or over.

In manifolds (1) only in sections 1,5 mm<sup>2</sup> or over.

(1) The maximum temperature of the conductor to whom a cable can work depends on the temperature limit of other cables and accessories that are in contact with it.

## Functional characteristics

A) Non flame propagation test:

Isolation and sheath composition , guarantees non flame propagation according to:  
UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.



## Marked

Cable must have H05SS-K, printed on sheath.  
Mark must be perfectly legible.

300 V- 500 V



*Dimensional characteristics and colour*

| Code           | Nominal cross section | Ø Overall | Insulation thickness | Weight | Conductor resistance 20°C | Colour available |
|----------------|-----------------------|-----------|----------------------|--------|---------------------------|------------------|
|                |                       |           |                      |        |                           |                  |
|                | mm <sup>2</sup>       | mm        | mm                   | Kg/km  | Ohm/km                    |                  |
| <b>H05SS-K</b> |                       |           |                      |        |                           |                  |
| 82950          | 1x0.75                | 3,9       | 0,6                  | 22,5   | 26                        |                  |
| 82951          | 1x1                   | 4,3       | 0,6                  | 27,8   | 19,5                      |                  |
| 82952          | 1x1,5                 | 5,1       | 0,8                  | 39,6   | 13,3                      |                  |
| 82953          | 1x2,5                 | 6         | 0,9                  | 57     | 7,98                      |                  |

180°C

300-500 V