

# termoflex man

H05SS-F

## Definition

Technical definition: .....H05SS-F

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



### Max. operating temperature:

operating service: .....180°C  
short-circuit (5 s.) :.....350°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 21027-15 ; HD 22.15



1 Flexible electrolytic copper conductor class 5  
according to **UNE-EN 60228/ EN 60228 /IEC 60228** standard.  
Number of conductors: 2,3,4 ó 5



Nominal cross-section : 0,75 mm<sup>2</sup> up to 2,5 mm<sup>2</sup> for 2 & 5 cond.  
0,75 mm<sup>2</sup> up to 6 mm<sup>2</sup> for 3 y 4 cond.

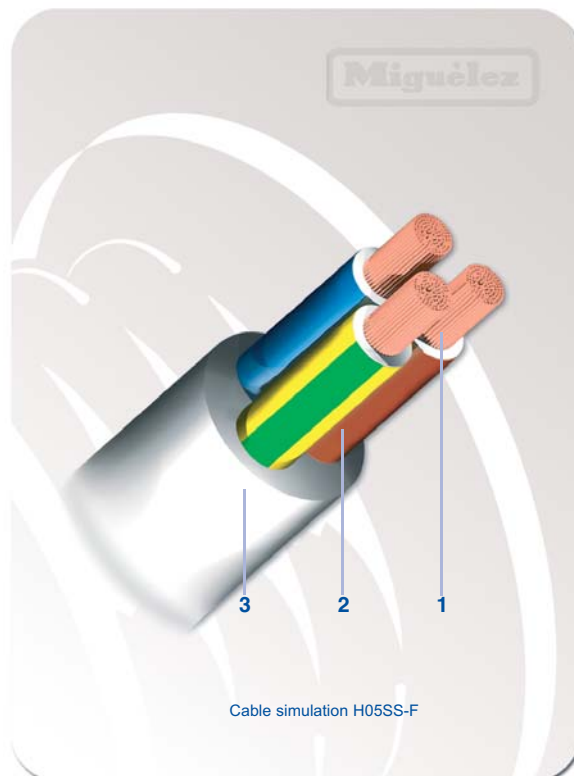


2 Insulation made by a cross-linked compound type EI2,  
according to **UNE 21027-1 (HD 22.1)** standard.

3 Sheath made by a cross-linked compound type EM9,  
according to **UNE 21027-1 (HD 22.1)** standard.

### Rank of temperatures of storage, transport and handling

T. minimum °C: -25      T. maximum °C: +40 (1)



## Applications

installation type: .....FIXED

### Users Guide:

**H05SS-F:** " On high temperature or in contact with hot surfaces:

- For fixed installations or incorporated in lamps used on industrial facilities, whenever mechanical protection is guaranteed.
- For use in equipment that requires certain flexibility and put under slight mechanical actions.

This cable can be damaged by abrasion. Better be very careful on installation process to avoid any kind of problems.

Maximum factored load allowed: 15N/mm<sup>2</sup> copper nominal cross-section.

Suitable for a maximum temperature degree of 180 °C .

Contact with the skin must be avoided when operates on high temperature " ( UNE 21176)

## 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-F**, printed on sheath.  
Mark must be perfectly legible.



## Dimensional characteristics

Code	Nominal cross section	Ø Overall	Insulation thickness	Weight	Conductor resistance 20°C
					
	mm <sup>2</sup>	mm	mm	Kg/km	Ohm/km

H05SS-F					
82970	2x0,75	6,2	0,6	64	26
82971	2x1	6,8	0,6	77,3	19,5
82972	2x1,5	8,2	0,8	114,3	13,3
82973	2x2,5	9,8	0,9	167,3	7,98
82974	3x0,75	6,7	0,6	66,3	26
82975	3x1	7,2	0,6	78,8	19,5
82976	3x1,5	8,7	0,8	115,7	13,3
82977	3x2,5	10,4	0,9	170,4	7,98
82978	3x4	12,2	1	246	4,95
82979	3x6	13,7	1	327,7	3,3
82980	4x0,75	7,3	0,6	79,3	26
82981	4x1	7,8	0,6	93,8	19,5
82982	4x1,5	9,7	0,8	144,3	13,3
82983	4x2,5	11,6	0,9	212	7,98
82984	4x4	13,6	1	306,5	4,95
82985	4x6	15,2	1	409,2	3,3
82986	5x0,75	8,2	0,6	108,7	26
82987	5x1	8,8	0,6	129,3	19,5
82988	5x1,5	10,6	0,8	189,4	13,3
82989	5x2,5	12,9	0,9	287,7	7,98

## Colours

