

# afirenas cc-Z1(AS)

ES07Z1-R(AS)

## Definition

**Technical definition:** ..... ES07Z1-R(AS)

**Voltage rating:** ..... 450/ 750 V



**Max. operative temperature:**

operating service: .....70°C

short-circuit (5 s.): ..... 160°C



**Constructive description:** Built according to UNE 211002 standard Annexed 2:



- 1 Solid electrolytic copper conductor class 2 according to UNE-EN 60228/ EN 60228 /IEC 60228 standard.
- 2 Thermoplastic isolation of polyolefine HFFR type TIZ1 according to UNE 211002 ANNEXED 1.



*These cables are always single-core*

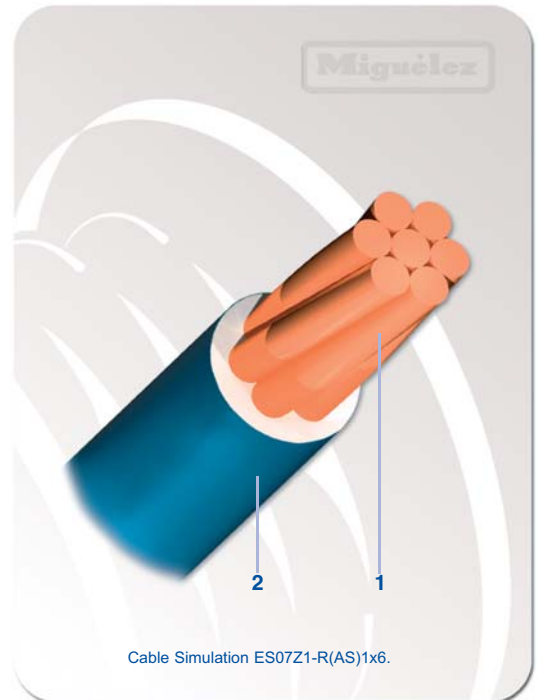


**Rank of temperatures of storage, transport and handling:**

T. mínima °C: +5

T. máxima °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 ES07Z1-R(AS)1x6.

## Applications

**Installation type:** .....FIXED

**Users guide:**

**ES07Z1-R(AS):** " Cables with conductor class 2 and thermoplastic isolation of low smoke-screening and corrosive gases are included in ITC-BT-16 Facilities of connection, meters: Location and systems of installation."

## Functional characteristics

### A) Non flame propagation test:

The composition of the isolation of thermoplastic polyolefine HFFR type TIZ1, guarantees the non-flame propagation of the flame according to: UNE-EN 60332-2-1 ; EN 60332-2-1 ; IEC 60332-2-1 standards.



### B) Non fire propagation test:

According to UNE EN 50266-2-4 / EN 50266-2-4 / IEC 60332-3 ; UNE EN 50266-2-5 / EN 50266-2-5 / IEC 60332-3 standards.



### C) Density of smoke (smoke-screening):

In case of fire, avoids loss of visibility due to smoke produced by cable combustion, according to UNE EN 61034-2 / EN 61034-2 / IEC 61034-2 standards.



### D) Halogenous determination:

In case of fire, the emission of monoxide of carbon, carbon dioxide and hydrochlorate acid is lower to 0.5 %, according to: UNE EN 50267-2-1/ EN 50267-2-1 / IEC 60754-1 standards.



### E) Acidity and gases corrosivity:

In case of fire, the index acidity and the conductivity the emanated gases according to UNE EN 50267-2-3 / EN 50267-2-3 / IEC 60754-2+A1 standards. minimum PH  $\geq$  4,3 / maximum conductivity ( $\mu$ S/cm)  $\leq$ 100.



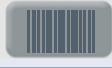





### F) Extra-sliding:

The composition of the sheath, guarantees optimal sliding, enabling installation.













### 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	

#### E S 0 7 Z 1 - R

 84200	1x1.5	3,3	0,7	29	12,1	
 84203	1x6	1x6	0,8	82	3,08	
 84204	1x10	1x10	1	134	1,83	
 84205	1x16	1x16	1	194	1,15	

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

### Marked

Standard UNE 211002 section 2.6: "Cables object of this standard, ...must be mark with the abbreviations AS= High Security indicating their characteristic of non-fire propagation".

### Presentation

#### Boxes, packages and standard pallet sizes

Cable type	Nominal section	M. pallet	m./coils	m./packages
AFIRENAS CC-Z1	1x1,5	30.000	200	1000m
AFIRENAS CC-Z1	1x6	13.500	100	300m
AFIRENAS CC-Z1	1x10	7.200	100	100m
AFIRENAS CC-Z1	1x16	7.200	100	100m