



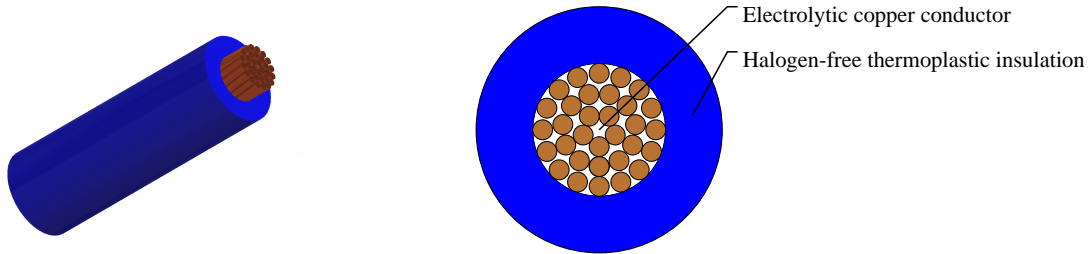
# Caledonian

Industrial Cables (Spanish Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## ES05Z1-K(AS)



## APPLICATIONS

These halogen free single core cables are high security cables. In the event of fire, these cables do not emit toxic gases, nor do they give off corrosive gases. For these reasons they are recommended for use in public places such as: hospitals, schools, museums, airports, bus terminals, shops in general, etc., as well as in computer rooms, offices, production plants, switchboard wiring, laboratories, etc.

## STANDARDS

UNE 211002

IEC 60332-1

IEC 60332-3

IEC 60754-1

IEC 60754-2

IEC 61034

EN 50266

EN 50267

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Flexible electrolytic copper conductor
- According to UNE-EN 60228 class 5 and IEC 60228 class 5
- Halogen-free thermoplastic insulation type T17, according to UNE 211002 and HD 21.15S1:2006

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000volts
- Minimum bending radius:  $5 \times \varnothing$
- Flexing temperature:  $-15^{\circ}\text{C}$  -  $+70^{\circ}\text{C}$



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- Short circuit temperature: +70°C
- Insulation resistance: 350 MΩ x km
- Halogen free: IEC 60754-1, EN 50267-2-1
- No corrosive gases: IEC 60754-2, EN 50267-2-2
- No toxic gases: NES 02-713, NF X 70-100
- Low smoke density: IEC 61034, EN 50268-2
- Flame retardant: IEC 60332-1, EN 50265-2-1
- Non-flame propagating: IEC 60332-3, EN 50266-2

## DIMENSION AND PARAMETERS

| No. of Cores ×<br>Cross-sectional Area | AWG Size  | Nominal Insulation<br>Thickness | Approx. Overall<br>Diameter | Approx. Weight |
|--|-----------|---------------------------------|-----------------------------|----------------|
| No. × mm <sup>2</sup>                  |           | mm                              | mm                          | kg/km          |
| 1 x 1                                  | 17(32/32) | 0.6                             | 2.4                         | 14             |