



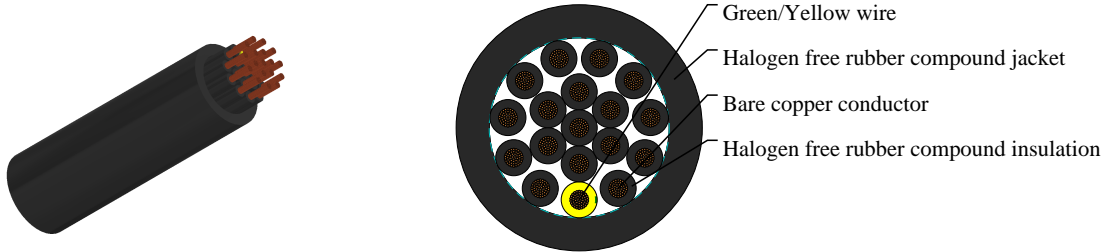
# Caledonian

Industrial Cables (Harmonized code)

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

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## H07ZZ-F



## APPLICATIONS

These LSZH cables are flexible, mainly used for mobile service, suitable for installations where is required low smoke and halogen free fumes under fire conditions. Suitable for installations where the cable must withstand medium mechanical stress, for machines in industrial and agricultural workshops, for motors and some transportable machines , for wind mills and for agricultural exploitations.

## STANDARDS

<HAR> HD22.13 S1 & A1

VDE-0282 Part-13

CEI 20-19 p.13

IEC 60245-4

IEC 60754

EN 61034

CE low voltage directive 73/23/EEC & 93/68/EEC

ROHS compliant

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- Halogen free rubber compound EI 8 acc. to EN 50363-5
- Color code to VDE-0293-308
- Black halogen free rubber compound EM8 jacket

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308

- Green-Yellow + Black numbered

## PHYSICAL AND THERMAL PROPERTIES

- Fixed voltage: 600/1000 volts



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- Test voltage: 2500 volts
- Flexing bending radius:  $6 \times \varnothing$
- Fixed bending radius:  $4.0 \times \varnothing$
- Flexing Temperature:  $-5^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Fixed Temperature:  $-40^{\circ} \text{C}$  to  $+70^{\circ} \text{C}$
- Short circuit temperature:  $+250^{\circ} \text{C}$
- Flame retardant: IEC 60332.3 C1, NF C 32-070
- Insulation resistance:  $20 \text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Overall Diameter (min.)	Overall Diameter (max.)	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	mm	mm	mm	kg/km	kg/km
18 x 2.5	14 ( 50/30 )	0.9	3.5	24.4	30.9	456	1086