



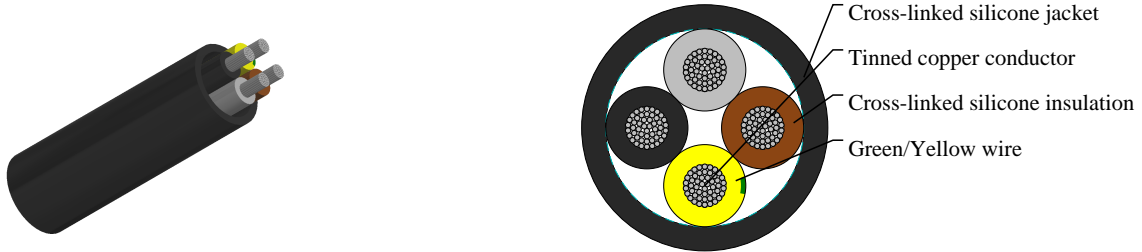
# Caledonian

Industrial Cables (Harmonized code)

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

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

## H05SS-F



## APPLICATIONS

These cables are special 180 Degree C., harmonized, heavy-duty, tear-resistant black silicone multi-core cable for use in high and low temperature areas or where UV light can be damaging. The harmonization approval on these cables makes them ideal for export to or use in European countries and markets. These cables are mainly found in steel mills, foundries, glass factories, baking equipment, burners, heating and lighting systems. The cables have improved characteristics against mechanical stress and are ideal for permanent mechanically protected cable for lighting in industrial applications. The silicone jacket provides added heat-resistance, chemical, oil and acidic resistance. Not permitted for outdoor use.

## STANDARDS

<HAR> HD 22.15 S1

VDE-0282 Part 15

VDE-0250 Part-816 (N2MH2G)

CE low voltage directive 72/23/EEC & 93/68/EEC

ROHS compliant

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Fine tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 CI-5
- Cross-linked silicone (EI 2) core insulation
- Color code VDE-0293-308
- Cross-linked silicone (EM 9) outer jacket - black

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308

4 cores (G) - Green-Yellow + Brown + Black + Grey

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000V



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- Flexing bending radius:  $7.5 \times \varnothing$
- Static bending radius:  $4 \times \varnothing$
- Temperature range:  $-60^{\circ}\text{C}$  to  $+180^{\circ}\text{C}$
- Short circuit temperature:  $220^{\circ}\text{C}$
- Flame retardant: IEC 60332 -1
- Insulation resistance:  $200 \text{ M}\Omega \times \text{km}$
- Halogen-free: IEC 60754-1
- Low smoke: IEC 60754-2

## DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	mm	mm	kg/km	kg/km
4x2.5	14(50/30)	0.9	1.1	11.0	96.0	211.0