Caledonian

Industrial Cables (German Standard)

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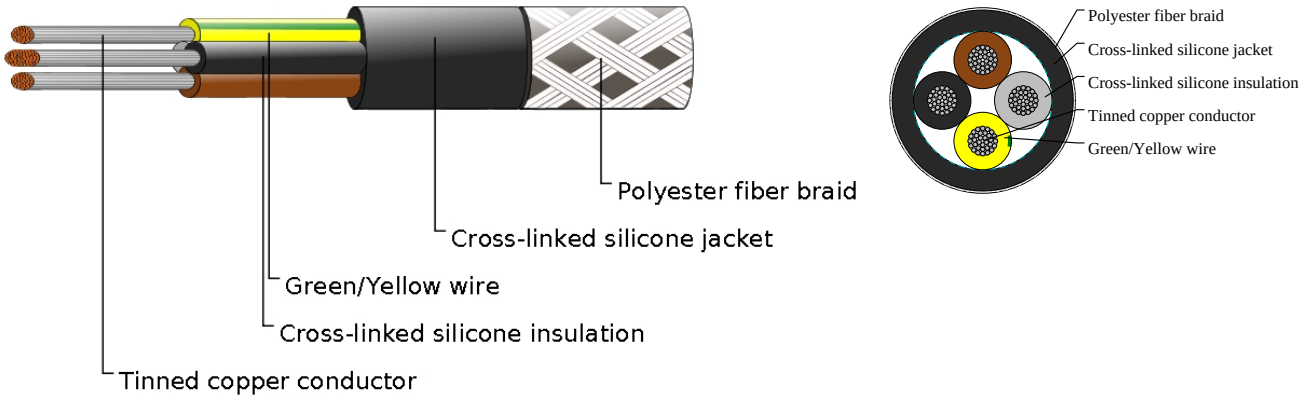
H05SST-F



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

HD 22.15 S1
VDE-0282 Part 15
VDE-0250 Part-816 (N2MH2G)

VOLTAGE RATING

300/500V

CABLE CONSTRUCTION

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

COLOUR CODE

Insulation Colour Code
Colour coded to VDE 0293-308
4 cores (G) - Green-Yellow + Brown + Black + Grey

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PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000V
- Flexing bending radius: 7.5×Ø
- Static bending radius: 4×Ø
- Temperature range: -60°C to +180°C
- Short circuit temperature: 220°C
- Flame retardant: IEC 60332 -1
- Insulation resistance: 200 MΩ x 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.×mm²		mm	mm	mm	kg/km	kg/km
4x1	17(32/32)	0.6	0.9	8.8	38.4	111.0