



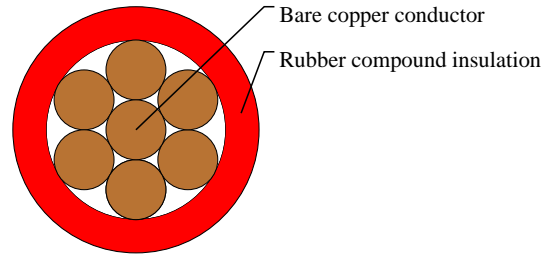
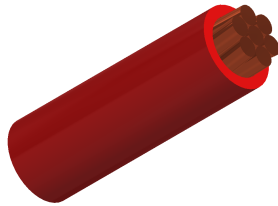
# Caledonian

Industrial Cables (German Standard)

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

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

## H07G-R



## APPLICATIONS

These cables are recommended for the internal wiring of switchboards and distributor boards as well as in operating parts in or on lights. The higher temperature range allows for connections to heaters with an alternating nominal voltage of 1000V. or direct nominal voltage of 750V. These cables are all allowed for laying in tubes in and under plaster.

## STANDARDS

HD 22.7 S2

VDE-0282 Part-7

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

- Solid bare copper / strands
- Strands to VDE-0295 Class-2, IEC 60228 Class-2
- Rubber compound type EI3 (EVA) to DIN VDE 0282 part 7 insulation

## 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: 2500volts
- Flexing bending radius:  $7 \times \varnothing$
- Static bending radius:  $7 \times \varnothing$
- Flexing temperature:  $-25^{\circ}\text{C}$  to  $+110^{\circ}\text{C}$
- Static temperature:  $-40^{\circ}\text{C}$  to  $+110^{\circ}\text{C}$
- Short circuit Temperature:  $+160^{\circ}\text{C}$
- Flame retardant: IEC 60332.1
- Insulation resistance:  $10\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS



# Caledonian

Industrial Cables (German Standard)

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

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

| No. of Cores<br>× Cross-<br>sectional Area | AWG Size | Nominal<br>Insulation<br>Thickness | Approx. Overall<br>Diameter | Nominal<br>Copper Weight | Approx. Weight |
|--|----------|------------------------------------|-----------------------------|--------------------------|----------------|
| No.×mm <sup>2</sup>                        |          | mm                                 | mm                          | kg/km                    | kg/km          |
| 1 x 35                                     | 2(7/10)  | 1.4                                | 10.3                        | 336                      | 360            |