



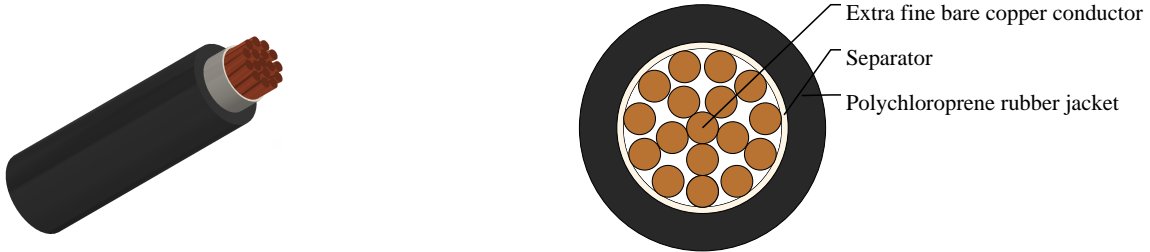
# Caledonian

Industrial Cables (Harmonized code)

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

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

## H01N2-E



## APPLICATIONS

These cables are used as a connection between the welding generator, the hand-electrode and the work piece. For use in the automobile industry, ship building, transport and conveyor systems, tool making machinery, welding robots etc. These cables retain their high flexibility even under influence of ozone, light, oxygen, protective gases, oil and petrol. Robust cable structure of these cables makes them resistant to low and high temperature, fire, ozone and radiation, oils, acids, fats and petrols. These cables are also ideal for outside installation in dry, moist and wet areas.

## STANDARDS

<HAR> HD22.6 S2

VDE-0282 Part-6

IEC 60332.3

IEC 60754.1

UNEL 35368

CEI 20-22 II

CEI 20-38

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

ROHS compliant

## VOLTAGE RATING

100/100V

## CABLE CONSTRUCTION

- Extra fine bare copper strands
- Strands to DIN VDE 0295, BS 6360, IEC 60228 and HD 383
- Strands to VDE-0295 as listed below
- Synthetic or paper separator over core
- Polychloroprene rubber (neoprene) jacket EM5

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308/HD308/NF C 32-081

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



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## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1000 volts
- Flexing bending radius:  $12.0 \times \varnothing$
- Fixed bending radius:  $7.5 \times \varnothing$
- Flexing Temperature:  $-25^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Fixed Temperature:  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Flame retardant: IEC 60332.1

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional Area | AWG Size  | Nominal<br>Insulation<br>Thickness | Overall<br>Diameter<br>(min.) | Overall<br>Diameter<br>(max.) | Nominal<br>Copper Weight | Approx.<br>Weight |
|--|-----------|------------------------------------|-------------------------------|-------------------------------|--------------------------|-------------------|
| No. × mm <sup>2</sup>                      |           | mm                                 | mm                            | mm                            | kg/km                    | kg/km             |
| 1 x 16                                     | 6(903/35) | 1.2                                | 7.3                           | 9.1                           | 154                      | 181               |