



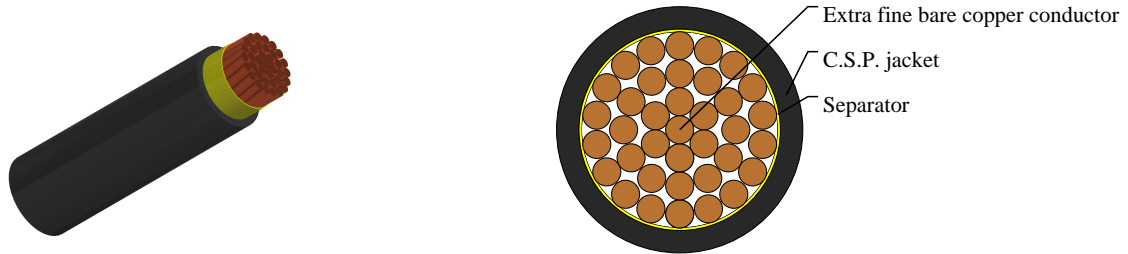
# Caledonian

Industrial Cables to British Standard

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## H01N2-E to BS 638-4(New BS EN50525-2-81)



## APPLICATIONS

These cables are used as a connection between the welding generator, the hand-electrode and the work piece, they are suitable 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 design 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.

## VOLTAGE RATING

100/100V

## CABLE CONSTRUCTION

- Extra fine bare copper strands
- Stranding to BS 6360 CL-6, IEC 60228 CL-6
- Synthetic or paper separator over core
- Polychloroprene rubber (neoprene) sheath EM5, or extruded in two layers, EI7&EM5, the outer layer will be not less than 0.6mm

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 1000 volts
- Minimum bending radius: 10xOverall diameter
- Flexing Temperature: -25° C to +80° C
- Fixed Temperature: -40° C to +80° 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 150                                    | 300MCM   | 1.8                                | 18.8                          | 23.5                          | 1440                     | 1488              |