



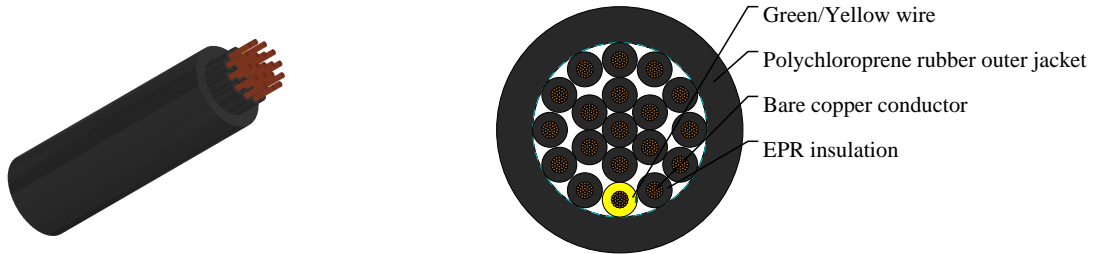
# Caledonian

Industrial Cables (Italian Standard)

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

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## H07BN4-F WIND90



## APPLICATIONS

These cables are made with synthetic rubbers having an excellent temperature resistance and can be used either in dry, humid or wet places or in contact with oil or grease, in weather conditions and under medium mechanical stress, for example power supply to equipment in industrial plants, large size boilers, heating plates, portable lamps, electrical tools such as drilling machines, disk saws, portable engines and machines, building and farming equipments etc. These cables are also suitable for stationary equipments, for example designed for wind-tower application, the particular conductor Cable Construction and the used materials have improved the cable torsion resistance (max 150°/m), key requirement for drop cables in windgenerators, on plaster in temporary buildings and builders huts, and wiring in machinery elevators or similar. Suitable for caravans and camping equipment. Especially recommended for service temperature up to 90° C together with good resistance to hot grease and oil. Therefore these cables are ideal for use in plants and industries dealing with grease, oil or oil emulsion treatments, transformation or handling.

## STANDARDS

CEI 20-19 p.12

CEI 20-35 (EN 60332-1)

IEMMEQU HAR IEC 60245-4

IEC 60754-1/2

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

- Fine bare copper strands
- Strands to VDE-0295 Class-5, IEC 60228 Class-5
- EPR(Ethylene Propylene Rubber) rubber EI7 insulation
- Color code VDE-0293-308
- Special polychloroprene rubber outer jacket EM7

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308

- Green-Yellow + Black numbered



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## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2500 volts
- Flexing bending radius:  $6.0 \times \varnothing$
- Fixed bending radius:  $4.0 \times \varnothing$
- Temperature range:  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Wind energy:  $-15^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Maximum short circuit temperature:  $+250^{\circ}\text{C}$
- Flame retardant: IEC 60332.1C2/NF C 32-070
- Insulation resistance:  $20\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × Cross- sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Approx. Overall Diameter	Approx. Weight
No. × mm <sup>2</sup>		mm	mm	mm	kg/km
19 x 1.5	16(30/30)	0.8	3.2	22.0	800