



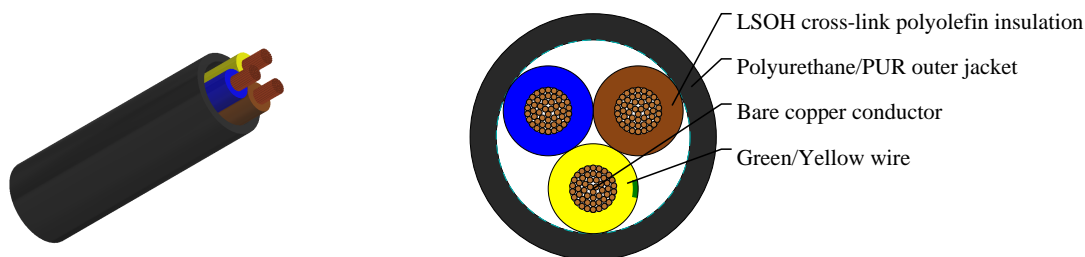
# Caledonian

Industrial Cables (French Standard)

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

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## H07BQ-F



## APPLICATIONS

These cables are used for medium mechanical stress in dry, damp or wet areas, e.g. for connecting agricultural and commercial equipment, for connecting heaters where there is a danger of cable damage due to its contact with hot surfaces. The cable can also be used in electrical appliances such as drills, hand-held circular saws as well as in building sites and refrigeration plants. These cables can commonly be found in other machinery in agriculture, building sites, docks and refrigeration plants. The robust PUR jacket adds abrasion, notch and tear resistance as well as chemical resistance to oils, fats, petrol, water, ozone, UV radiation, hydrolysis and microbes. Common European designation is NGMH11YÖ.

## STANDARDS

NF C 32-102-10

ROHS compliant

## VOLTAGE RATING

450/750V

## CABLE CONSTRUCTION

- Fine bare or tinned copper strands
- Strands to VDE-0295 Class-5, IEC 60228 and HD383 Class-5
- Rubber compound insulation E16 to VDE-0282 Part-1
- Color coded to VDE-0293-308
- Conductors stranded in layers with optimal lay-length
- Green-yellow earth core in the outer layer
- Polyurethane/PUR outer jacket TPU- orange (RAL 2003)

## COLOUR CODE

Insulation Colour Code

Colour coded to VDE 0293-308

3 cores (G) - Green-Yellow + Brown + Blue

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2500 volts
- Flexing bending radius: 5 x Ø



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- Fixed bending radius:  $3 \times \varnothing$
- Flexing temperature:  $-40^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$
- Fixed temperature:  $-50^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$
- Short circuit temperature:  $+250^{\circ}\text{C}$
- Flame retardant: NF C 32-070
- Insulation resistance:  $20\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

| No. of Cores<br>× Cross-<br>sectional<br>Area | AWG Size  | Nominal<br>Insulation<br>Thickness | Nominal<br>Sheath<br>Thickness | Overall<br>Diameter<br>(min.) | Overall<br>Diameter<br>(max.) | Nominal<br>Copper<br>Weight | Approx.<br>Weight |
|---|-----------|------------------------------------|--------------------------------|-------------------------------|-------------------------------|-----------------------------|-------------------|
| No.×mm <sup>2</sup>                           |           | mm                                 | mm                             | mm                            | mm                            | kg/km                       | kg/km             |
| 3 x 2.5                                       | 14(50/30) | 0.9                                | 1.1                            | 9.7                           | 11.9                          | 72                          | 172               |