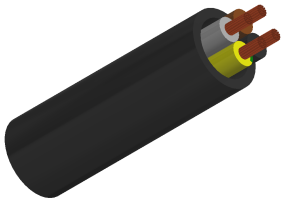
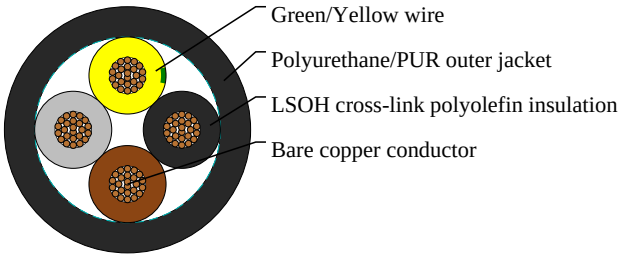
Caledonian

Industrial Cables (German Standard)

www.caledonian-cables.com marketing@caledonian-cables.com

H05BQ-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

HD22.10 S1
VDE-0282 Part-10

VOLTAGE RATING

300/500V

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
- Conductors stranded in layers with optimal lay-length
- Green-yellow earth core in the outer layer
- Polyurethane/PUR outer jacket TMPU- orange (RAL 2003)

COLOUR CODE

Insulation Colour Code
Colour coded to VDE 0293-308
4 cores (G) - Green-Yellow + Brown + Black + Grey

PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000 volts
- Flexing bending radius: 5 x Ø
- Fixed bending radius: 3 x Ø

- Flexing temperature: -40º C to +80º C
- Fixed temperature: -50º C to +90º C
- Short circuit temperature: +250º C
- Flame retardant: IEC 60332.1
- Insulation resistance: 20 MΩ x km

DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Nominal Insulation Thickness	Nominal Sheath Thickness	Overall Diameter (min.)	Overall Diameter (max.)	Nominal Copper Weight	Approx. Weight
No.×mm²		mm	mm	mm	mm	kg/km	kg/km
4 x 0.75	18(24/32)	0.6	0.9	6.8	8.8	29	80