

127012WD

H07BQ-F 450/750V m/o RATIO light ye# 3G2,5 mm2

BMqL 450/750 V
CLC: H07BQ-F

Application:

- Especially suitable for heavy-duty applications, where cables have to endure rubbing and dragging across rough and/or sharp surfaces
- For applications, like on building sites, in garages, on shipyards, in refrigeration engineering or at road works

General properties:

- Excellent resistance to heavy mechanical stress
- Highly abrasion resistant
- Very good cold resistance
- Excellent resistance to the effects of oil and greases
- Very good resistance to weather influences (including ozone)

Construction:

Conductor: flexible tinned copper (class 5)
Insulation: ethylene propylene rubber (EPR)
Assembly: cores cabled together, filled to make a round shape
Outer sheath: polyurethane (PUR)

Electrical properties:

Voltage rating: 450/750 V
Test voltage: 2,5 kV

Core colours:

2 cores: brown, blue
3 cores: brown, blue, green-and-yellow
4 cores: brown, black, grey, green-and-yellow
5 cores: brown, black, grey, blue, green-and-yellow

Standards/References:

NEN-EN 50525
 HD 22

Additional information:

Minimum installation temperature: -40 °C
Maximum conductor temperature: +90 °C
Operating temperature: min. -40 °C, max. +75 °C
Sheath colour: yellow
Approval: <HAR>
Packaging: coils, drums

Construction data

Nominal cross section conductor	2.5 mm ²
Conductor category	Class 5 = flexible
Number of cores	3
Core insulation	Rubber (EPR)
Core identification	Colour
Protective conductor	Yes
Screen	No
Material outer sheath	PUR (Polyurethane)
Colour outer sheath	Yellow
Model	Round
Outer diameter approx.	10.7 mm
Conductor material	Cu, tinned
Stranding	Multi-core
Nom diam over insulation	3.7 mm
Weight	180 kg/km

Properties

Low smoke (acc. EN 61034-2)	No
Halogen free (acc. EN 50267-2-2)	Yes
Flame retardant	No
Oil resistant (acc. EN 60811-2-1)	Yes
Max. conductor temperature	90 °C
Operating temperature, flexible	-40/75 °C
Operating temperature, fix	-40/75 °C
Bending radius	45 mm
Max. tractive force	110 N

Electrical

Nominal voltage U0	450 V
Nominal voltage U	750 V
Conductor resistance 20°C	8.21 ohm/km
Current carrying capacity	35 A
Conductor resistance operating temperature	10.5 ohm/km
Operating self-induction	0.32

Product packing

Product number	Description
127012NN	Length of 1 m
127012WD	Length of 3000m