

129461NN

H07BQ-F 450/750V m/o RATIO light ye# 3G6 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	6 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.	14.0 mm
Conductor material	Cu, tinned
Stranding	Multi-core
Nom diam over insulation	4.97mm
Weight	343 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
Minimum bending radius (fixed wiring)	56 mm
Minimum bending radius (flex. Wiring)	70mm
Maximum pulling force (pulling by fletcher)	270 N

Electrical

Nominal voltage U0	450 V
Nominal voltage U	750 V
Conductor resistance at 20°C, dc	max.: 3,39Ω / km
Conductor resistance at 90°C, dc	max.: 4,32Ω / km
Maximum current rating	
Number of cores loaded	2
-1 cable installed in free air of 30°C	44 A

Product packing

Product number	Description
129461NN	Length of 1 m