

128793NN

H07BQ-F 450/750V m/o RATIO light ye# 3G4 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	4 mm <sup>2</sup>
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.	12.5 mm
Conductor material	Cu, tinned
Stranding	Multi-core
Nom diam over insulation	4.4 mm
Weight	260 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	65 mm
Max. tractive force	180 N

**Electrical**

Nominal voltage U0	450 V
Nominal voltage U	750 V
Conductor resistance 20°C	5.09 ohm/km
Current carrying capacity	48 A
Conductor resistance operating temperature	6.49 ohm/km
Operating self-induction	0.3

**Product packing**

Product number	Description
128793NN	Length of 1 m