

SPIRAL H07BQ-F BLACK

Black, robust PUR spiral cable with high recoiling forces

SPIRAL H07BQ-F BLACK - PUR spiral cable, robust and with high recoiling forces. Color-coded power cable for use in machines and as flexible power connection

Info

Heavy construction type

PUR outer sheath with high recoiling forces

Voltage rating 450/750 V



Oil-resistant



Good chemical resistance



Cold-resistant

Benefits

Good cost-benefit ratio

Durable under harsh conditions thanks to robust PUR sheath material

Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

Wide application range

Application range

Construction of machines and appliances with flexible power supplies as well as at shipyards

Construction of machinery and powered doors

Measurement, control and regulation technology

Any commercial/industrial/agricultural facility: Connection of tools, appliances and mobile motors

For indoor and outdoor use

SPIRAL H07BQ-F BLACK

Product features

Black, robust PUR outer sheath
High tensile strength and abrasion resistance
High recoiling forces
High resistance to oil, low temperatures, microbes and hydrolysis

Norm references / approvals

Based on EN 50525-2-21 H07BQ-F

The spiralling modifies the properties of the <HAR> certified H07BQ-F cable (sold by the metre) that certain technical requirements stipulated by the H07BQ-F standards are no longer complied with following spiralling. As a result, the <HAR> H07BQ-F design certification of the H07BQ-F cable, also identifiable on the spiral cable, is no longer valid in conjunction with the spiralled piece good design of the "SPIRAL H07BQ-F BLACK". This is a completely logical consequence of the spiralling processing steps.

Design

Tinned stranded copper wire of braided conductor class 5 according to IEC 60228/VDE 0295
Core insulation: EI6 rubber according to EN 50525-1 & EN 50363-1/VDE 0207-363-1; coloured according to HD 308/VDE 0293-308; VDE and HAR marking of the unspiralled H07BQ-F (supplied by the metre) as the basic material for the spiralling
Use of talcum
Black, PUR outer sheath made of TPU according to EN 50525-2-21; marking "H07BQ-F ..."
For the 4 standard solid lengths available, please see the article table below
Radial outflow shape at cable ends - length of ends: 200 mm at the first end/600 mm at the other end
Versions with other solid lengths, end lengths and end forms available on request

Technical Data

| | |
|---------------------------|--|
| Classification: | ETIM 5.0 Class-ID: EC000247 ETIM 5.0 Class-Description: Helical cable |
| Core identification code: | Coloured according to VDE 0293-308 (HD 308) |
| Conductor design: | Fine wire according to VDE 0295, class 5 / IEC 60228, class 5 tinned strands |
| Minimum bending radius: | Flexible use: 12.5 x outer diameter |
| Nominal voltage: | U_0/U : 450/750 V |
| Test voltage: | 3000 V |
| Protective conductor: | G = with GN-YE protective conductor |
| Temperature range: | -25 °C to +50 °C (spiralled) |

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Photographs are not to scale and do not represent detailed images of the respective products.

* Prices are net prices without VAT and surcharges. Sale to business customers only.

Each item is packed separately in a plastic bag.

Versions with other solid lengths, end lengths and end forms available on request

**SPIRAL H07BQ-F BLACK**

| Article number | Number of cores and mm ² per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|----------------|---|------------------------------|--------------------------------|---------------------|----------------------------|
| 70002750 | 3 G 1.5 | 1500 | 500 | 9 | 31 |
| 70002751 | 3 G 1.5 | 3000 | 1000 | 9 | 31 |
| 70002752 | 3 G 1.5 | 4500 | 1500 | 9 | 31 |
| 70002753 | 3 G 1.5 | 6000 | 2000 | 9 | 31 |
| 70002754 | 4 G 1.5 | 1500 | 500 | 10 | 38 |
| 70002755 | 4 G 1.5 | 3000 | 1000 | 10 | 38 |
| 70002756 | 4 G 1.5 | 4500 | 1500 | 10 | 38 |
| 70002757 | 4 G 1.5 | 6000 | 2000 | 10 | 38 |
| 70002758 | 5 G 1.5 | 1500 | 500 | 11 | 40 |
| 70002759 | 5 G 1.5 | 3000 | 1000 | 11 | 40 |
| 70002760 | 5 G 1.5 | 4500 | 1500 | 11 | 40 |
| 70002761 | 5 G 1.5 | 6000 | 2000 | 11 | 40 |

Last Update (25.02.2017)

©2017 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03_16