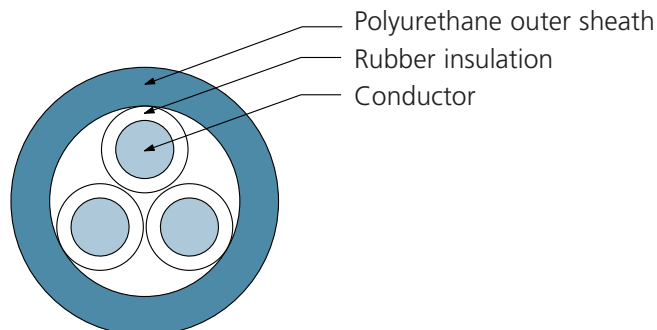


# H05BQ-F, H07BQ-F

## Halogen free

### The harmonized PUR cable

#### Description



#### Application

The cable is suited for use in dry, damp or wet areas for medium duty; e. g. for connection of industrial or agricultural machines. It is even suitable for electric tools e. g. drilling machines, circular saws as well as transportable engines or machines on building sites. The cable can also be used in the agriculture, on dockyards and in cold storage warehousing.

#### Design

|                   |   |
|-------------------|---|
| Conductor:        | plain copper, fine stranded according to VDE 0295 class 5   |
| Insulation:       | Rubber 3GI3 according to VDE 0207 part 20   |
| Core colour:      | up to 5 cores coloured according to VDE 0293<br>from 6 cores black with white numbers                         |
| Core arrangement: | cores twisted around in concentric layers   |
| Sheath:           | polyurethane 11YM1 according to VDE 0250 part 818<br>from 5 x 10 mm <sup>2</sup> with EPR intermediate filler |
| Sheath colour:    | orange RAL 2003   |
| Imprint:          | H05BQ-F / H07BQ-F   |

#### Thermal properties

|  |                     |
|--|---------------------|
| Maximum temperature for flexible installation: | - 25°C up to + 80°C |
| for fixed operation:                           | - 40°C up to + 90°C |

#### Technical data in case of 20°C

|                        |   |           |         |
|------------------------|---|-----------|---------|
| Nominal voltage:       | H05BQ-F                                 | 300/500 V |         |
|                        | H07BQ-F                                 | 450/750 V |         |
| Test voltage:          | H05BQ-F                                 | core/core | 2.000 V |
|                        | H07BQ-F                                 | core/core | 2.500 V |
| Conductor resistance:  | according to VDE 0295 class 5 (IEC 228) |           |         |
| Insulation resistance: | > 20 MOhm x km                          |           |         |

#### Features

|                    |  |
|--------------------|--|
| Bending radius:    | flexible application: 12 x cable diameter and according to HDS16 S.2.  |
| Arrangement:       | cores twisted around in short length of lay  |
| Oil resistance:    | in accordance with DIN VDE 0472 part 803, test type B  |
| Halogen free:      | the used basic materials are halogen free except<br>in case of 5 x 10 mm <sup>2</sup> and 5 x 16 mm <sup>2</sup> |
| Applied standards: | harmonized HD 22.10 S1, VDE 0282-10  |

#### Particularity

- microbe-proof
- resistant against oils and acids as well as radiation
- abrasion-proof
- high radiation resistance
- the used basic materials are halogen free
- this cable is also available as spiral cable and/or with customer's imprint

**H05BQ-F / H07BQ-F**

The harmonized polyurethane cable < VDE > < HAR >  
Halogen free

Discount: \_\_\_\_\_

| Cross-section mm <sup>2</sup> | Price Euro/km Base CU 150 | CU number kg/km | Outer Ø approx. mm | Weight approx. kg/km |
|-------------------------------|---------------------------|-----------------|--------------------|----------------------|
| <b>H05BQ-F</b>                |                           |                 |                    |                      |
| 2 x 0,75                      | 1.189,-                   | 14,4            | 6,4                | 60                   |
| 3 x 0,75                      | 1.471,-                   | 21,6            | 7,0                | 62                   |
| 4 x 0,75                      | 1.806,-                   | 29,0            | 7,8                | 75                   |
| 5 x 0,75                      | 2.270,-                   | 36,0            | 8,5                | 96                   |
| 2 x 1                         | 1.640,-                   | 19,2            | 6,9                | 59                   |
| 3 x 1                         | 1.812,-                   | 29,0            | 7,3                | 73                   |
| 4 x 1                         | 2.167,-                   | 38,4            | 7,8                | 89                   |
| 5 x 1                         | 2.615,-                   | 48,0            | 8,8                | 113                  |
| <b>H07BQ-F</b>                |                           |                 |                    |                      |
| 2 x 1,5                       | 1.774,-                   | 29,0            | 8,4                | 89                   |
| 3 x 1,5                       | 2.109,-                   | 43,2            | 8,6                | 109                  |
| 4 x 1,5                       | 2.753,-                   | 58,0            | 9,9                | 137                  |
| 5 x 1,5                       | 3.125,-                   | 72,0            | 10,8               | 171                  |
| 7 x 1,5                       | 4.640,-                   | 101,0           | 12,8               | 196                  |
| 12 x 1,5                      | 7.402,-                   | 173,0           | 16,7               | 366                  |
| 2 x 2,5                       | 3.045,-                   | 48,0            | 10,0               | 128                  |
| 3 x 2,5                       | 3.315,-                   | 72,0            | 10,6               | 159                  |
| 4 x 2,5                       | 3.956,-                   | 96,0            | 11,8               | 199                  |
| 5 x 2,5                       | 4.516,-                   | 120,0           | 13,1               | 250                  |
| 5 x 4                         | 8.318,-                   | 192,0           | 15,4               | 406                  |
| 5 x 6                         | 11.311,-                  | 288,0           | 18,3               | 536                  |
| 5 x 10                        | 16.243,-                  | 480,0           | 20,4               | 864                  |
| 5 x 16                        | 21.695,-                  | 768,0           | 23,7               | 1.382                |
| 5 x 25                        | 34.492,-                  | 1.200,0         | 32,2               | 1.670                |
| 5 x 95                        | 126.164,-                 | 4.560,0         | 57,2               | 5.910                |

**Options:** This type can be delivered with individual imprint (up to 130 signs) and is even available as spiral cable.