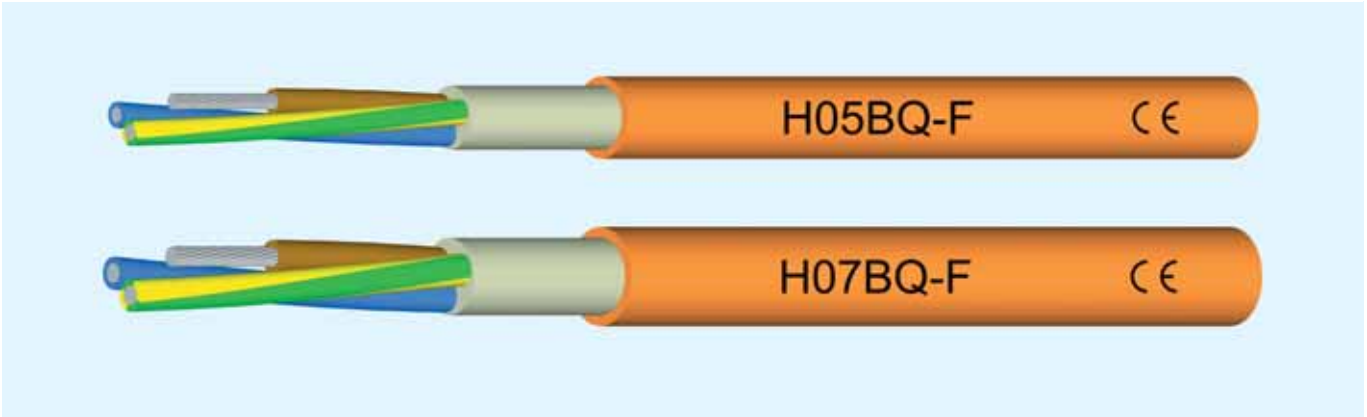


# H05BQ-F, H07BQ-F

## Flexible cables with PUR sheath



### Cable structure

- Stranded bare copper conductors according to DIN VDE 0295, IEC 60228 and HD 383 cl. 5
- Core insulation of EPR compound
- Color coded cores according to HD 308
- Cores stranded in layers with optimal lay-length
- Green-yellow earth core in the outer layer
- Outer sheath of special PUR, color orange

### Technical data

- Power supply cable, EPR/PUR insulation according to DIN VDE 0282 part 10 and HD 22.10 S1
- **Temperature range:** flexing from -25 °C to +80 °C  
fixed from -40 °C to +80 °C
- **Nominal voltage** U<sub>0</sub>/U 300/500 V resp. 450/750 V
- **Test voltage a.c.** 2000 V resp. 2500 V
- **Minimum bending radius** approx. 7,5× cable diameter
- **Radiation resistance** up to 100×10<sup>6</sup> cJ/kg (up to 100 Mrad)

### Advantages

- high flexibility, resistance to abrasion and mechanical strain even under low temperatures
- resistance to oils, petrols, hydraulic fluids, acids, ozone, UV radiation, water and microbes

### Application

These cables are used for medium mechanical stress in dry, damp or wet areas, e.g. for connecting agricultural and commercial equipment, for connecting heaters where there is a danger of cable damage due to its contact with hot surfaces. The cable can also be used in electrical appliances such as drills, hand-held circular saws as well as in building sites and refrigeration plants. These extremely robust cables are used for its resistance to abrasion and are ideal outdoor use.

### Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.  
Conforms to RoHS.

Part No.	Number of cores x core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
<b>H05BQ-F</b>				
0122050	2 × 0,75	5,7 - 7,4	14,4	52
0122051	3 × 0,75	6,2 - 8,1	21,6	63
0122052	4 × 0,75	6,8 - 8,8	28,8	80
0122053	5 × 0,75	7,6 - 9,9	36,0	96
0122054	2 × 1	6,1 - 8,0	19,2	59
0122055	3 × 1	6,5 - 8,5	29,0	71
0122056	4 × 1	7,1 - 9,3	38,4	89
0122057	5 × 1	8,0 - 10,3	48,0	112
<b>H07BQ-F</b>				
0122058	2 × 1,5	7,6 - 9,8	29,0	92
0122064	2 × 2,5	9,0 - 11,6	48,0	121
0122072	2 × 4	10,6 - 13,7	77,0	194
0122073	2 × 6	11,8 - 15,1	115,0	311
0122074	2 × 10	15,6 - 19,9	192,0	428
0122075	2 × 16	17,9 - 22,8	307,0	600

Part No.	Number of cores x core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0122059	3 × 1,5	8,0 - 10,4	43,0	109
0122065	3 × 2,5	9,6 - 12,4	72,0	164
0122068	3 × 4	11,3 - 14,5	115,0	224
0122070	3 × 6	12,8 - 16,3	173,0	310
0122076	3 × 10	16,8 - 21,4	288,0	640
0122077	3 × 16	19,5 - 24,7	461,0	758
0122060	4 × 1,5	9,0 - 11,6	58,0	145
0122066	4 × 2,5	10,7 - 13,8	96,0	207
0122069	4 × 4	12,7 - 16,2	154,0	327
0122071	4 × 6	14,2 - 18,1	230,0	496
0122078	4 × 10	18,6 - 23,6	384,0	738
0122079	4 × 16	21,3 - 27,0	614,0	1187
0122061	5 × 1,5	9,8 - 12,7	72,0	169
0122067	5 × 2,5	11,9 - 15,3	120,0	262
0122080	5 × 4	14,1 - 17,9	192,0	415
0122081	5 × 6	15,7 - 20,0	288,0	586
0122082	5 × 10	20,4 - 25,9	480,0	968
0122083	5 × 16	23,7 - 30,0	768,0	1475