

## Multicore Flexible EPR/Polyurethane Cable Zero Halogen 90°C 0.6/1kV

EPR/PUR  
Flexible Cables  
H05 BQ-F 300/500V  
H07 BQ-F 0.6/1kV



### Cable Construction

- Copper Conductor:**  
Conductors of extra fine annealed copper wired to International Standards to ensure maximum flexibility.
- Insulation:**  
EPR compound
- Outer sheath:**  
ZERO HALOGEN POLYURETHANE compound type T MPU

### Temperature Range

-40 to +90°C static

### Test Voltage for 5 min. kV

300/500V: 2000 V, 50Hz, 5'  
0.6/1kV: 2500 V, 50Hz, 5'

### Relevant Standards

IEC 60228, IEC 60332-1, AS/NZS 3808, EN 50525-2-21, VDE 0293, VDE 0282

### Bending Radius

5 times diameter after install

8 times diameter during install

### Sheath Colour

Orange (similar to RAL 2003)

### Core Colour

2 Core - Brown, Blue  
3 Core - Brown, Blue, Green/Yellow  
4 Core - Brown, Black, Grey, Green/Yellow  
5 Core - Brown, Black, Grey, Blue, Green/Yellow  
7 Core - 6 Black cores White numbered 1-6 and a Green/Yellow core

### Typical Uses

These cables are particularly suited for the food and wine manufacturing industries and hospital and laboratory environments. Polyurethane sheathing is microbe and hydrolysis resistant. Also suitable for the wiring of submersible pumps.

### Special

- Extreme MECHANICAL RESISTANCE (abrasion-, tearing-, notch-, pressure-, and wear resistant)
- Good CHEMICAL RESISTANCE (against fuels, oils, grease, chemicals, and sewage.)
- Resistant against ENVIRONMENTAL FACTORS (as ozone, UV, water,...)
- Resistant against IMPORTANT TEMPERATURE FLUCTUATIONS
- FLAME RETARDANT, HALOGEN FREE
- MICROBE AND HYDROLYSIS RESISTANT

The materials used in the manufacture of these cables are RoHS Compliant.

## TECHNICAL DATA

Part Number	Size mm <sup>2</sup>	Nom. Stranding No./mm	Insulation Thickness mm	Sheath Thickness	Nom. O.D. mm	Approx. Cable Weight Kg/Km
EP20.75OR	2 x 0.75	24/0.20	0.6	0.8	6.3	63
EP30.75OR	3 x 0.75	24/0.20	0.6	0.9	6.9	72
EP40.75OR	4 x 0.75	24/0.20	0.6	0.9	7.5	88
EP50.75OR	5 x 0.75	24/0.20	0.6	1.0	8.3	123
EP21.0OR	2 x 1.0	32/0.20	0.6	0.9	7.5	78
EP31.0OR	3 x 1.0	32/0.20	0.6	0.9	7.3	89
EP41.0OR	4 x 1.0	32/0.20	0.6	0.9	8.0	106
EP51.0OR	5 x 1.0	32/0.20	0.6	1.0	8.9	147
EP21.5OR	2 x 1.5**	30/0.25	0.8	1.0	8.4	109
EP31.5OR	3 x 1.5**	30/0.25	0.8	1.0	8.9	128
EP41.5OR	4 x 1.5**	30/0.25	0.8	1.1	9.9	158
EP51.5OR	5 x 1.5**	30/0.25	0.8	1.1	10.8	185
EP71.5OR	7 x 1.5**	30/0.25	0.8	1.2	13.7	246
EP32.5OR	3 x 2.5**	50/0.25	0.9	1.1	10.6	178
EP42.5OR	4 x 2.5**	50/0.25	0.9	1.2	11.8	212
EP52.5OR	5 x 2.5**	50/0.25	0.9	1.3	13.1	256

\*\* 0.6/1kV rated

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