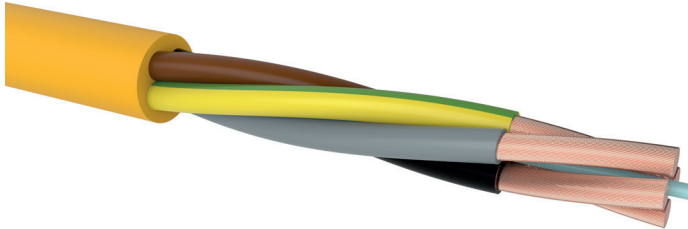


FLEXICS® S1BQ-F

PUR cable for submersible motor pumps, unshielded

DESIGN



- 1 | Bare copper conductors, fine wires class 5 according to DIN EN 60228 / VDE 0295 / IEC 60228
- 2 | Core insulation of special compound based on cross-linked polymer (XLPE)
- 3 | Cores are stranded together with optimal lay-length
- 4 | Special polyurethane (PUR) outer sheath, colour: yellow (RAL 1021)

APPLICATION

Extremely robust cable for extreme environmental conditions. The PUR outer sheath meets the highest requirements for tear and abrasion resistance. Excellent weather resistance, very good chemical resistance and microbial safe. Halogen-free and resistant to UV rays. Single-core versions are particularly suitable for short and earth-proof installations.

TECHNICAL DATA



Rated voltage:
0.6/1 kV (U₀/U)



Test voltage:
core / core 3500 V / 50 Hz



Temperature range:
operating temperature: -40 °C up to 90 °C
conductor temperature: max. 90 °C
short circuit temperature: max. 200 °C/5 s



Bending radius (min.):
fixed installation: 3 x Ø of cable
flexible use: 5 x Ø of cable



Core identification:
colours according to CENELEC HD 308 S2

Number of cores x nominal cross-section (mm ²)	Outer diameter (mm) appr.	Cu-value (kg/km)	Total weight (kg/km) appr.
FLEXICS® S1BQ-F			
4 G 35	34.0	1344.0	1821
4 G 50	38.6	1920.0	2455
4 G 70	41.0	2688.0	3670
5 G 25	32.2	1200.0	1680
5 G 35	37.2	1680.0	2280
5 G 50	42.9	2400.0	3250
5 G 70	47.9	3360.0	4550
1 x 16	9.8	153.6	197
1 x 25	12.3	240.0	360
1 x 35	13.5	336.0	480
1 x 50	15.6	480.0	650
1 x 70	18.1	672.0	850
1 x 95	20.8	912.0	995
1 x 120	22.3	1152.0	1227
1 x 150	24.3	1440.0	1650
1 x 185	26.7	1776.0	2000
1 x 240	31.1	2304.0	2600