We Make Modern Life Possible.

FLEXICS® S1BQ-F

PUR cable for submersible motor pumps, unscreened

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

Test Voltage
3500 V / 50 Hz

Rated Voltage
0.6/1 kV (Uo/U)

Bending radius (min.)
Fixed installation: 5 x Ø of cable
Flexible use: 7,5 x Ø of cable

Core identification
Colours according to CENELEC HD 308 S2

Temperature range
Operating temperature: -40°C up to 90°C
Conductor temperature: max. 90°C
Short circuit temperature: max. 200°C

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. Non-woven tape separation (optional)
5. Special polyurethane (PUR) outer sheath, colour: yellow (RAL 1021)

Number of cores x nominal cross-section (mm²)	Outer diameter appr. (mm)	Cu-value (kg/km)	Total weight appr. (kg/km)
1 x 16	9.8	153.6	197
1 x 25	12.3	240	360
4 G 25	30.5	960	1342
5 G 25	32.2	1200	1680
1 x 35	13.5	336	480
4 G 35	34.0	1344	1821
5 G 35	37.2	1680	2280
1 x 50	15.6	480	650
4 G 50	38.6	1920	2455
5 G 50	42.9	2400	3250
1 x 70	18.1	672	850
4 G 70	41.0	2688	3670
5 G 70	47.9	3360	4550
1 x 95	20.8	912	995
1 x 120	22.3	1152	1227
1 x 150	24.3	1440	1650
1 x 185	26.7	1776	2000
1 x 240	31.1	2304	2600

Technical changes reserved. All figures are therefore without guarantee.

CONTACT PERSON

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