

PURWIL Trafo-Cable, bandaged (TN-C)

S1BQ-F

Flexible stranded 4 x 1 single-core polyurethane cable (EPR/PUR)

Application

- Secondary outputs for transformers
- Utility companies
- Industry

Construction

- Copper cord flex, cl. 5 (IEC 60228) finely stranded
- EPR insulation cross-linked, black
- Core sheath polyurethane PUR
- 4 single-core stranded, 4L numbered
- wrapped

Description

- Reduced installation time
- Low EMF radiation
- High short circuit stability between single cores

- min. bending radius: with tensile 8 x D, without tensile 6 x D
- Nominal voltage U₀/U 600/1000 V

Temperature range

-40°C ... +90°C
 Emergency operation +130°C (8h/day and 100h/year)
 In case of short-circuit, +250°C max. (5 sec.)

Jacket colour

Grey similar to RAL 7011

Standards

IEC 60228 Cu-conductor cl.5
 IEC 60754-2 No corrosive gases
 IEC 60754-1 Halogen free
 Based to SEV TP 20B/3C, HD603 S1

Remarks

Brugg Cables AG also provides the appropriate accessories.



Technical data

Cross-section mm ²	Part no.	Conductor colour	Ø d1 approx. mm	Ø D approx. mm	Weight kg/km	Combustion energy MJ/m
4x1x150	24008	black	23.9	58.0	6565	41.8
4x1x185	24009	black	25.4	61.6	7910	47.3
4x1x240	24010	black	28.9	70.1	9725	60.6
4x1x300	24011	black	32.4	81.0	12980	75.6

Electrical data (max. current when laying in air at 30°C)

Cross-section mm ²	AC resistance by 60°C, 50 Hz Ω/km	Reactance at 50 Hz Ω/km	Impedance Z by 60°C, 50 Hz Ω/km	Max. charge Core temp. by 60°C A	Max. charge Core temp. by 90°C A
4x1x150	0.146	0.080	0.167	315	455
4x1x185	0.117	0.080	0.142	352	511
4x1x240	0.090	0.079	0.120	422	614
4x1x300	0.073	0.079	0.108	483	704