

TrafoCable, PURWIL coated (TN-C)

140

Flexible symmetric arranged, stranded polyurethane cable 4 x 1 (EPR/PUR)

- wrapped
- Sheath PUR

S1BQ-F

Decisive advantages

- Massive improvement in the EMC of the entire electrical installation
- No induction currents in adjacent metal structures and data cable
- Low EMF radiation
- No "noise" effects
- Perfect symmetric system
- Fewer conduction losses
- Low short-circuit forces
- FRNC (FE 0)

Description

- Nominal voltage U_0/U 600/1000 V
- Min. bending radius: with tensile 15 x D, permanent installation 6 x D

Temperature range

-40° ... +90°C

Jacket colour

Grey similar to RAL 7011

Application

- Non-inductive and electromagnetic radiation poor secondary output line for transformers
- Hospital, office, commercial and industrial buildings
- Research and Development
- Pharmaceuticals and Chemicals
- Public buildings
- Data processing service centre
- Generally, from about 150A current load

Standards

IEC 60228 Cu-conductor cl.5
 Conductor based on DIN VDE 0250-602
 SEV TP20B/3C
 IEC 60332-1-2 Flame retardant
 IEC 60754-1 Halogen free
 IEC 60754-2 No corrosive gases
 CPR fire reaction class Eca

Remarks

- Adapted accessories see in the catalogue
- Cable lug type PKD or PKD-F available



Construction

- Copper cord flex, cl. 5 (IEC 60228) finely stranded
- EPR insulation, black, numbered
- symmetric stranded

Technical data

Cross-section mm ²	Part no.	Conductor colour	Ø d1 approx. mm	Ø D approx. mm	Cu-number kg/km	Weight kg/km	Combustion energy MJ/m
4x150	23500	black	20.7	57.3	5760	6860	54.7
4x185	23501	black	22.0	60.9	7104	8190	63.7
4x240	23502	black	25.1	68.8	9216	9980	75.7
4x300	23503	black	29.2	78.9	11520	13176	95.0

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
4x150	0.146	0.080	0.167	285	405
4x185	0.117	0.080	0.142	327	463
4x240	0.090	0.080	0.120	388	549
4x300	0.073	0.080	0.108	440	624

For higher current loads several lines may be parallel moved.