

G core, 4 x 1 single-core (TN-C)

S1B-F

Flexible stranded G-core, cross-linked, EPR

Application

- Secondary outputs for transformers
- For installation in dry rooms

Construction

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

Description

- Reduced installation time
- Low EMF radiation
- High short circuit stability between single conductors
- Min. bending radius:
with tensile 8 x D,
without tensile 6 x D

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.)

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 mm	Ø D approx. mm	Weight kg/km	Combustion energy MJ/m
4x185	24012	black	22.0	53.5	7297	29.1
4x240	24013	black	25.1	61.0	8910	35.6

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
4x185	0.118	0.072	0.138	322	471
4x240	0.091	0.071	0.115	387	567