

400Hz Cables

GP 400 Sy - PUR

Supply cable - Symmetrical

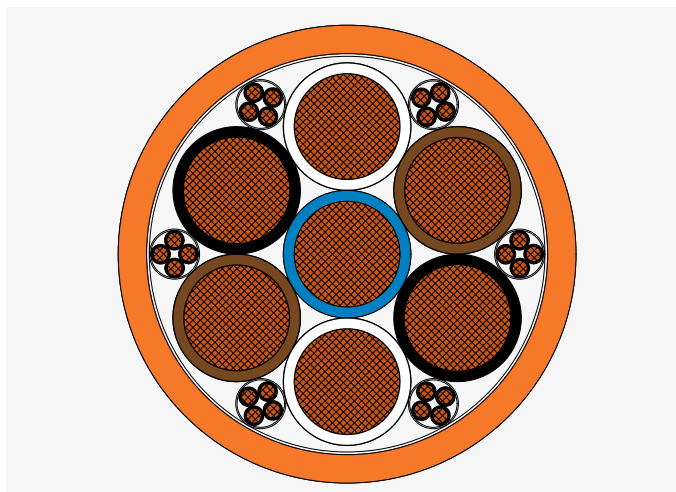


Application

For use as a permanently installed supply cable in 400Hz systems, e.g. between 400Hz generator and cable dispenser.

Outstanding features

- » price optimised
- » low capacity insulation



Construction

Conductor:	bare copper strands, fine wires acc. to IEC 60228 class 5
Insulation:	SABIX®
34000452 Colour code:	1,0 mm ² : black with numbers 1 – 24 35,0 mm ² : blue, 2 x white, 2 x brown, 2 x black
34000453 Colour code:	1,0 mm ² : black with numbers 1 – 24 50,0 mm ² : blue, black with numbers
Stranding:	1,0 mm ² : each four cores twisted in layers, wrapped with non-woven tape elements and 50,0 mm ² cores twisted in layers, blue core in the centre, wrapped with non-woven tape
Outer sheath:	PUR, orange
Marking example:	SAB BRÖCKSKES · D-Viersen · GP 400 Sy 7x50,0mm ² +6x4x1,0mm ² 3400-0453 CE and continuous meter marking

Technical Data

Nominal voltage:	1,0 mm ² : U _o /U 115/200 V 50,0 mm ² : U _o /U max. 0,6/1 kV
Testing voltage:	core/core 4000 V AC 50 Hz
Min. bending radius	
fixed laying:	4 x d
flexible application:	6 x d
for one single bend:	3 x d
Halogen-free:	acc. to IEC 60754-1
Temperature range	
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
	+110 °C (bis 7500 h) limited time of use
Fire performance:	sheath material: UL 94 V2
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Hydrolysis and microbial resistance:	very good - acc. to EN 50363-10-2
Salt water resistance:	very good - acc. to UL 1309
Oil resistance:	very good - acc. to EN 50363-10-2
MUD resistance:	very good - acc. to IEC 60092-360
Weather resistance:	very good - acc. to HD 605 (VDE 0276-605)
Ozone resistance:	very good - acc. to EN 50396
Abrasion:	acc. to UL 2556-2021 and JIS C3005
Fuel resistant:	petrol, diesel and kerosene (Jet A-1)
Mechanical resistance:	characteristics of the PUR outer sheath: ▶ high tensile strength ▶ high tear strength ▶ high abrasion resistance ▶ high notch resistance ▶ high shear strength
Absence of harmful substances:	acc. to RoHS directive of the European Union

item no.	no. of cores x cross section n x mm ²	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance max. Ω/km
34000452	7 x 35,0 + 6 x 4 x 1,0	min. 40 - max. 41,9	2583	3219	35,0 mm ² : 0,554 1,0 mm ² : 19,5
34000453	7 x 50,0 + 6 x 4 x 1,0	min. 40 - max. 41,9	3590	4123	50,0mm ² : 0,386 1,0 mm ² : 20,0