400Hz Cables

GP 400 SC
Supply cable - SingleCore - PUR

GP 400 QF
Supply cable - QuadFlex - PUR

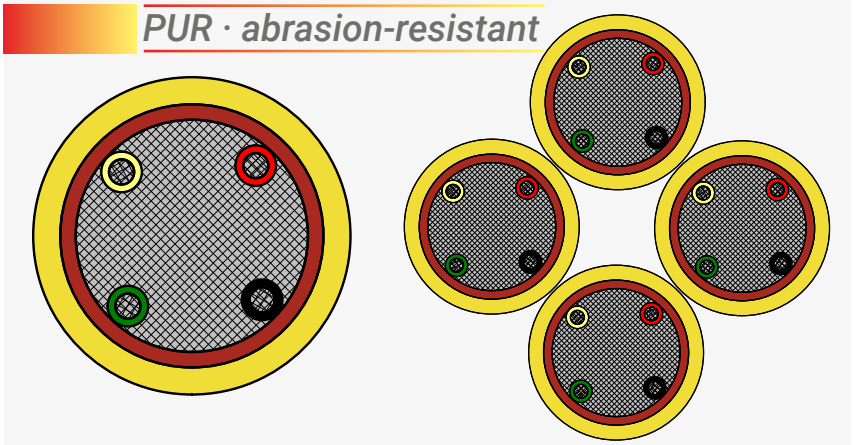
Application

For use in flexible applications, e.g. on mobile GPUs, PIT systems and as a connecting cable between sleeve and plug in reeling applications.

Outstanding features

- low capacity insulation
- abrasion-resistant PUR jacket
- cold flexible
- halogene free
- oil resistant
- with wear indicator

PUR · abrasion-resistant



Construction

Conductor:	tinned copper strands, fine wires acc. to IEC 60228 class 5
Insulation:	SABIX®
Colour code:	control cores: red, black, green, yellow power supply cores: red
Stranding:	control cores within the power supply core
Inner sheath:	SABIX®, red
Outer sheath:	PUR, yellow
Stranding:	**GP 400 QF**: open stranded
Marking example: GP 400 SC	SAB BRÖCKSKES · D-Viersen · GP 400 SC 1x(70,0mm²+4x1,0mm²) 3400-0053 CE and continuous meter marking
GP 400 QF	SAB BRÖCKSKES · D-Viersen · GP 400 QF 4x(70,0mm²+4x1,0mm²) 3400-0050 N CE and continuous meter marking

Current carrying capacity data will follow!

Technical Data

Nominal voltage:	Uo/U 115/200 V
Max. permissible operating voltage:	Uo/U 0,6/1 kV
Testing voltage:	core/core 4000 V AC 50 Hz
Min. bending radius *fixed laying:* *flexible application:*	 4 x d 6 x d
Temperature range *fixed laying:* *flexible application:* *limited time of use:*	 -50/+90 °C -40/+90 °C +110 °C (7500 h)
Halogen-free:	acc. to IEC 60754-1
Fire performance:	sheath material: UL 94 V2
Oil resistance:	very good - acc. to EN 50363-10-2
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good - acc. to HD 605 (VDE 0276-605)
Salt water resistance:	very good - acc. to UL 1309
Hydrolysis and microbial resistance:	very good - acc. to EN 50360-10-2
MUD resistance:	very good - acc. to IEC 60092-360
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 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 mm²	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km	ohmic resistance max. Ω/km
GP 400 SC - PUR					
34000062	1 x (35,0 + 4 x 1,0)	max. 17,9	393,6	478	35,0 mm²: 0,565 | 1,0 mm²: 20,0
34000052	1 x (50,0 + 4 x 1,0)	min. 16 - max. 16,5	524,0	603	50,0 mm²: 0,393 | 1,0 mm²: 20,0
34000053	1 x (70,0 + 4 x 1,0)	max. 17,5	739,2	792	70,0 mm²: 0,277 | 1,0 mm²: 20,0
34000059	1 x (70,0 + 6 x 1,0)	max. 17,9	729,6	810	70,0 mm²: 0,277 | 1,0 mm²: 20,0
GP 400 QF - PUR					
34000061	4 x (35,0 + 4 x 1,0)	ca. 38,6 (core max. 17,9)	1574,4	1913	35,0 mm²: 0,565 | 1,0 mm²: 20,0
34000050	4 x (50,0 + 4 x 1,0)	max. 39,9 (core min. 16 - max. 16,6)	2096,0	2436	50,0 mm²: 0,393 | 1,0 mm²: 20,0
34000051	4 x (70,0 + 4 x 1,0)	approx. 42,5 (core max. 17,9)	2957,0	3174	70,0 mm²: 0,277 | 1,0 mm²: 20,0
34000057	4 x (70,0 + 6 x 1,0)	approx. 42,5 (core max. 17,9)	2918,0	3241	70,0 mm²: 0,277 | 1,0 mm²: 20,0