400Hz Cables

GP 400 SC
Supply cable - SingleCore - Special Polymer

GP 400 QF
Supply cable - QuadFlex - Special Polymer

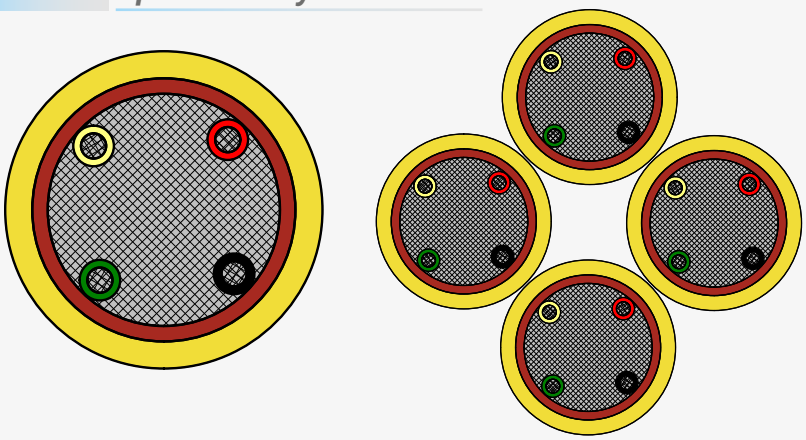
Application

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
- more flexible than polyurethane cables
- cold flexible
- oil resistant
- with wear indicator

Special Polymer · soft



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:	special polymer, yellow
Stranding:	**GP 400 QF**: open stranded
Marking example: GP 400 SC	SAB BRÖCKSKES · D-Viersen · GP 400 SC 1x(70,0mm²+4x1,0mm²) 3400-0004 CE and continuous meter marking
GP 400 QF	SAB BRÖCKSKES · D-Viersen · GP 400 QF 4x(70,0mm²+4x1,0mm²) 3400-0002 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:*	 -40/+70 °C -30/+70 °C
Fire performance:	acc. to IEC 60332-1-2
Oil resistance:	good - acc. to EN 50290-2-22
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	good
Salt water resistance:	good
Hydrolysis and microbial resistance:	good
Ozone resistance:	good
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: ▸ good tensile strength ▸ good abrasion resistance ▸ good notch resistance
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 - special polymer					
34000003	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
34000004	1 x (70,0 + 4 x 1,0)	max. 17,5	739,2	792	70,0 mm²: 0,277 | 1,0 mm²: 20,0
GP 400 QF - special polymer					
34000001	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
34000002	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