400Hz Cables

GP 400 SF DR

Supply cable - Symmetrical Flex drum

Plug'n'Play see page 17

SABGSE

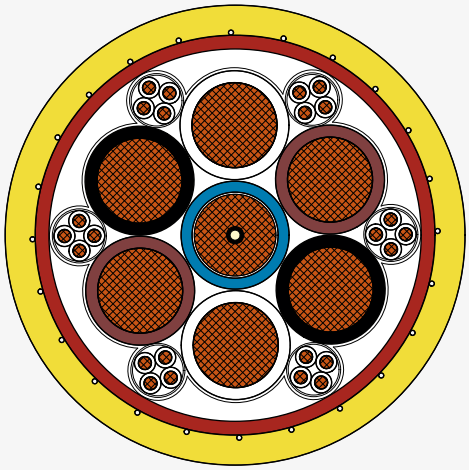
CE RoHS

Application

Cable for use on motorised cable reels, from a core diameter of min. 600 mm or in cable carrier (crocodile).

Outstanding features

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



Construction

Conductor:	bare copper strands, fine wires acc. to IEC 60228 class 5
Insulation:	SABIX®
Colour code:	11,0 mm²: white cores with numbers 1 - 24 35,0 mm²: blue, 2 x white, 2 x brown, 2 x black
Stranding:	1,0 mm²: cores twisted as quad, wrapped with overlapping foil 35,0 mm²: cores wrapped with overlapping foil
Stranding:	all elements optimized stranded in layers, wrapped with overlapping non-woven tape
Inner sheath:	PUR, red
Supporting screen:	aramid
Outer sheath:	PUR, yellow
Marking example:	SAB BRÖCKSKES · D-Viersen · GP 400 SF DR 7x35,0mm²+6x4x1,0mm² 3400-0228 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:* *guided on pulleys:* *drum:*	 4 x d 6 x d for repeated winding action 7,5 x d min. 600 mm inner diameter
Min. tensile strength:	4035 N (15 N/mm²)
Temperature range *fixed laying:* *flexible application:*	 -50/+90 °C -40/+90 °C
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)
Ozone resistance:	very good - acc. to EN 50396
Salt water resistance:	very good - acc. to UL 1309
MUD resistance:	very good - acc. to IEC 60092-360
Hydrolysis and microbial resistance:	very good - acc. to EN 50363-10-2
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: ▸ very high tensile strength ▸ very high tear strength ▸ very high abrasion resistance ▸ very high notch resistance ▸ very 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
34000228	7 x 35,0 + 6 x 4 x 1,0	approx. 42,3 - max. 42,9	2592	3374	35,0 mm²: 0,55 | 1,0 mm²: 19,5