

ETFE, FEP, PFA Cables

BL TA 180 C

flexible FEP connection cable with overall copper screen

+180 °C

SAB BL-Line



OV AWM I/II A/B 150°C 600V FT1 FT2

DNV

Marking for BL TA 180 C 37530715:

SAB BRÖCKSKES · D-VIERSEN · BL TA 180 C 7x1,5mm² - IEC 60332-3-22 -

300/500V AWM Style 21618 150°C 600V AWM I/II A/B 150°C 600V FT1 FT2

Application: e.g. as connection cable for the control of marine diesel engines.

Construction:

Conductor:	tinned copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	FEP
Colour code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 without green-yellow earth wire
Stranding:	in layers
Inner sheath:	Besilen®
Screen:	tinned copper braiding
Sheath material:	FEP
Sheath colour:	black (RAL 9005)

Technical data:

Nominal voltage:	U ₀ /U 300/500 V	
Voltage UL/cUL:	600 V	
Testing voltage:	core/core 2000 V (AC)	core/screen 2000 V
Min. bending radius		
fixed laying	5 x d	
flexible application:	10 x d	
Radiation resistance:	1 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/cUL: up to +150 °C
fixed laying:	-55/+180 °C	
flexible application:	-55/+180 °C	
Fire performance:	no flame propagation acc. to IEC 60332-3-22 + VDE 0482-332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, FT2	
Chem. resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds	
Oil and fuel resistance:	very good	
Flexibility:	good	
Halogen-free:	not fulfilled	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

Outstanding features:



- no flame propagation
- flame retardant and self-extinguishing
- good EMC characteristics
- oil and fuel resistant
- good chemical resistance
- high cold and heat resistance
- asbestos-free
- approvals:
DNV
UL/cUL recognized

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item no.	no. of cores x cross section n x mm ²	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
37530207	2 x 0,75	5,7	32,9	63
37530307	3 x 0,75	6,0	40,2	68
37530407	4 x 0,75	6,2	50,3	81
37530507	5 x 0,75	7,1	59,6	99
37530607	6 x 0,75	7,7	67,0	116
37530707	7 x 0,75	7,7	74,2	121
37530807	8 x 0,75	8,9	86,7	152
37531207	12 x 0,75	10,2	134,3	203
37531607	16 x 0,75	11,4	169,8	261
37532007	20 x 0,75	12,8	229,5	334
37530210	2 x 1,00	5,9	37,8	64
37530215	2 x 1,50	6,6	50,4	81
37530315	3 x 1,50	6,9	64,6	97
37530515	5 x 1,50	8,2	98,2	145
37530615	6 x 1,50	9,0	115,5	171
37530715	7 x 1,50	9,0	129,9	182
37531215	12 x 1,50	12,0	232,5	309
37530220	2 x 2,00	7,5	62,2	107
37530320	3 x 2,00	8,1	83,8	130

Other dimensions and colours are possible on request.



Possible on request:

- without overall copper screen
- alternative colour code and sheath colour