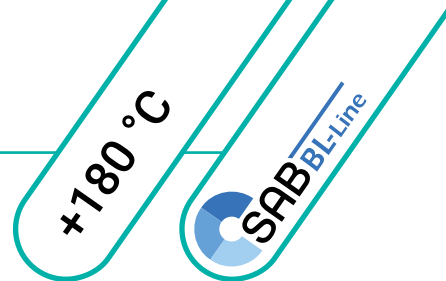


# ETFE, FEP, PFA Cables

## BL TA 180 C

flexible FEP connection cable with overall copper screen



C 600V AWM I/II A/B 150°C 600V FT1 FT2



Marking for BL TA 180 C 37530715:

SAB BRÖCKSKES · D-VIERSEN · BL TA 180 C 7x1,5mm<sup>2</sup> - 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:

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

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Voltage UL/cUL:</b>	600 V
<b>Testing voltage:</b>	core/core 2000 V (AC) core/screen 2000 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	DIN VDE UL/cUL: up to +150 °C
fixed laying:	-55/+180 °C
flexible application:	-55/+180 °C
<b>Fire performance:</b>	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
<b>Chem. resistance:</b>	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
<b>Oil on fuel resistance:</b>	very good
<b>Flexibility:</b>	good
<b>Halogen-free:</b>	not fulfilled
<b>Absence of harmful substances:</b>	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
- » DNV approved
- » UL/cUL recognized

item no.	no. of cores x cross section n x mm <sup>2</sup>	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.