

+180 °C

# ETFE, FEP, PFA CABLES



## BlueLine TA 180 C flexible FEP-Connection cables with overall copper screen



SAB BRÖCKSKES · D-VIERSEN · BL TA 180 C 7 x 1,5 mm² AWM Style 21624 200°C 600V AWM I/II A/B 200°C 600V CE 30/14

Marking for BlueLine TA 180 C 37530715:

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	FEP
<b>Colour code:</b>	black conductors with consecutive numbers acc. to EN 50334, 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 U<sub>0</sub>/U:</b>	<b>DIN VDE:</b> 300/500 V	<b>UL/cUL:</b> 600 V
<b>Testing voltage:</b>	2000 V (AC)	
<b>Min. bending radius</b>		
<i>fixed laying</i>	5 x d	
<i>flexible application:</i>	10 x d	
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b>	<b>DIN VDE</b>	<b>UL/cUL:</b> up to +200 °C
<i>fixed laying:</i>	-55/+180 °C	
<i>flexible application:</i>	-55/+180 °C	
<b>Fire performance:</b>	no flame propagation acc. to IEC 60332-3-22 + DIN EN 60332-3-22 cat. A. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + DIN EN 60332-1-2	
<b>Chem. resistance:</b>	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds	
<b>Oil and 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 page N/14	

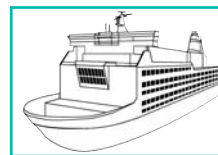
### Outstanding features:

- 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
- approval: Germanischer Lloyd UL/cUL recognized

\*Copper braiding should be connected circularly to optimize the EMC characteristics

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.



especially for use in shipbuilding industry

### Possible on request:



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

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

