

+180 °C

ETFE, FEP, PFA CABLES



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



AWM Style 21618 150°C 600V cUL AWM I/II A/B

Marking for BlueLine TA 180 C 37530715:
SAB BRÖCKSKES · D-VIERSEN · BL TA 180 C 7 x 1,5 mm² - IEC 60332-3-22 -
300/500V DNV-GL AWM Style 21618 150°C 600V AWM I/II A/B 150°C 600V FT1 FT2 CE

Construction:

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

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:
Det Norske Veritas - Germanischer Lloyd
UL/cUL recognized
EAC approval

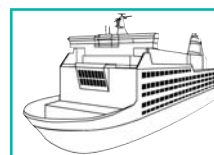
*Copper braiding should be connected circularly to optimize the EMC characteristics

Technical data:

Nominal voltage U₀/U:	DIN VDE: 300/500 V	UL/cUL: 600 V
Testing voltage:	2000 V (AC)	
Min. bending radius	5 x d	
<i>fixed laying</i>		
<i>flexible application:</i>	10 x d	
Radiation resistance:	1 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/cUL: up to +150 °C
<i>fixed laying:</i>	-55/+180 °C	
<i>flexible application:</i>	-55/+180 °C	
Fire performance:	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	
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 page N/17	

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.



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

