

ETFE, FEP, PFA Cables

BL TA 180 C

Flexible FEP connection cables with overall tinned copper shield

+180°C



Marking for BL TA 180 C 37530715:

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

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

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
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground
Stranding:	in layers
Inner jacket:	Besilen®
Shield:	tinned copper braiding
Jacket material:	FEP
Jacket color:	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:
UL/cUL recognized
DNV

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

Technical data:

Nominal voltage:	Uo/U 300/500 V	
Voltage UL/cUL:	600 V	
Testing voltage:	conductor/conductor: 2000 V (AC) conductor/shielding: 2000 V	
Min. bending radius:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D.	
Radiation resistance:	1 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE -55/+180°C <i>flexible:</i> -55/+180°C	UL/cUL: up to +150°C
Burning characteristics:	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	
Chemical 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	
Approvals:	UR, cUR, DNV, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

item no.	no. of conductors incl. ground	outer-ø approx. inch	approx. mm	cable weight ≈ lbs/mft
▶ 19 AWG (≈ 23/32) · 0.75 mm²				
37530207	2	0.224	5.7	42
37530307	3	0.236	6.0	46
37530407	4	0.244	6.2	54
37530507	5	0.280	7.1	67
37530607	6	0.303	7.7	78
37530707	7	0.303	7.7	81
37530807	8	0.350	8.9	102
37531207	12	0.402	10.2	136
37531607	16	0.449	11.4	175
37532007	20	0.504	12.8	224
▶ 18 AWG (≈ 30/32) · 1.00 mm²				
37530210	2	0.232	5.9	43

item no.	no. of conductors incl. ground	outer-ø approx. inch	approx. mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) · 1.50 mm²				
37530215	2	0.260	6.6	54
37530315	3	0.272	6.9	65
37530515	5	0.323	8.2	97
37530615	6	0.354	9.0	115
37530715	7	0.354	9.0	122
37531215	12	0.472	12.0	208
▶ 15 AWG (≈ 38/30) · 2.00 mm²				
37530220	2	0.295	7.5	72
37530320	3	0.319	8.1	87

Other dimensions and colors are available on request



Possible on request:

- without overall copper shield
- alternative color code and jacket color



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