

ETFE, FEP, PFA Cables

TD 801 F

FEP data cable with extended temperature range

+180°C

AWG 22/3c  AWM Style 21618 I/II A/B 150°C 600V FT1 FT2 3801-0322 



Marking for TD 801 F 38010322:

SAB BRÖCKSKES · D-VIERSEN · TD 801 F AWG 22/3c  AWM Style 21618 I/II A/B 150°C 600V FT1 FT2 3801-0322 

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6Y11 acc. to VDE 0207-6
Color code:	with reference to DIN 47100, see page O/26
Stranding:	in layers
Jacket material:	FEP, 6YM1 acc. to VDE 0207-6
Jacket color:	white (RAL 1013)

Technical data:

Peak operating voltage:	max. 375 V	
Voltage UL/cUL:	600 V	
Testing voltage:	conductor/conductor: 2000 V	
Min. bending radius:	7.5 x O.D.	
Radiation resistance:	1 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE	UL/cUL: up to +150°C
<i>static:</i>	-90/+180°C	
<i>flexible:</i>	-55/+180°C	
<i>limited time of use:</i>	+200°C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, FT2	
Oil resistance:	very good acc. to UL standard 758, at 80°C after 80 days	
Chemical resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds	
Approvals:	UR, cUR, CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:



- excellent resistance against chemicals and solvents
- excellent temperature resistance and flexibility at low temperatures
- excellent electrical insulating characteristics with low, nearly frequency-independent dielectric characteristics
- UL/cUL recognized

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 28 AWG (7 strand) - 0.08 mm²				
38010228	2	0.079	2.0	4
38010328	3	0.083	2.1	5
38010428	4	0.091	2.3	7
38010528	5	0.098	2.5	8
38010728	7	0.106	2.7	10
38011028	10	0.134	3.4	14
38011228	12	0.138	3.5	16

▶ 26 AWG (7 strand) - 0.14 mm²				
38010226	2	0.087	2.2	5
38010326	3	0.094	2.4	7
38010426	4	0.098	2.5	9
38010526	5	0.110	2.8	10
38010726	7	0.118	3.0	13
38011026	10	0.157	4.0	18
38011226	12	0.157	4.0	22

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 24 AWG (7 strand) - 0.25 mm²				
38010224	2	0.098	2.5	7
38010324	3	0.102	2.6	9
38010424	4	0.114	2.9	11
38010524	5	0.122	3.1	14
38010624	6	0.138	3.5	17
38010724	7	0.134	3.4	18
38011024	10	0.177	4.5	26
38011224	12	0.185	4.7	30

▶ 22 AWG (7 strand) - 0.34 mm²				
38010222	2	0.110	2.8	9
38010322	3	0.114	2.9	12
38010422	4	0.126	3.2	15
38010522	5	0.138	3.5	19
38010722	7	0.161	4.1	26
38011022	10	0.201	5.1	37
38011222	12	0.209	5.3	43

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 20 AWG (7 strand) - 0.50 mm²				
38010220	2	0.126	3.2	12
38010320	3	0.134	3.4	17
38010420	4	0.146	3.7	22
38010520	5	0.173	4.4	28
38010720	7	0.177	4.5	36
38011020	10	0.232	5.9	53
38011220	12	0.248	6.3	62

Other dimensions and colors are available on request



Possible on request:

- ETFE or PFA insulated strands