

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 example:

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, 6YI1 acc. to VDE 0207-6
Colour code:	with reference to DIN 47100
Stranding:	in layers
Sheath material:	FEP, 6YM1 acc. to VDE 0207-6
Sheath colour:	white (RAL 1013)

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

Technical data:

Peak operating voltage:	max. 375 V
Voltage UL/cUL:	600 V
Testing voltage:	core/core 2000 V
Min. bending radius:	7,5 x d
Radiation resistance:	1 x 10 ⁷ cJ/kg
Temperature range	DIN VDE UL/cUL: up to +150 °C
fixed laying:	-90/+180 °C
flexible application:	-55/+180 °C
limited time of use:	+200 °C
Fire performance:	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
Chem. resistance:	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	dimension	nominal single wire Ø mm	max. outer-Ø mm	copper figure kg/km	cable weight ≈ kg/km
38010228	2 x AWG 28/7	0,127	2,0	1,8	6,3
38010226	2 x AWG 26/7	0,160	2,2	2,8	7,9
38010224	2 x AWG 24/7	0,203	2,5	4,2	10,3
38010222	2 x AWG 22/7	0,254	2,8	6,8	13,6
38010220	2 x AWG 20/7	0,320	3,2	10,8	18,6
38010328	3 x AWG 28/7	0,127	2,1	2,7	7,9
38010326	3 x AWG 26/7	0,160	2,4	4,2	9,9
38010324	3 x AWG 24/7	0,203	2,6	6,3	13,4
38010322	3 x AWG 22/7	0,254	2,9	10,2	18,0
38010320	3 x AWG 20/7	0,320	3,4	16,2	25,5
38010428	4 x AWG 28/7	0,127	2,3	3,6	9,7
38010426	4 x AWG 26/7	0,160	2,5	5,6	12,7
38010424	4 x AWG 24/7	0,203	2,9	8,4	16,9
38010422	4 x AWG 22/7	0,254	3,2	13,6	22,8
38010420	4 x AWG 20/7	0,320	3,7	21,6	32,2
38010528	5 x AWG 28/7	0,127	2,5	4,5	11,7
38010526	5 x AWG 26/7	0,160	2,8	7,0	15,2
38010524	5 x AWG 24/7	0,203	3,1	10,5	21,0

item no.	dimension	nominal single wire Ø mm	max. outer-Ø mm	copper figure kg/km	cable weight ≈ kg/km
38010522	5 x AWG 22/7	0,254	3,5	17,0	28,3
38010520	5 x AWG 20/7	0,320	4,4	27,0	42,4
38010624	6 x AWG 24/7	0,203	3,5	12,6	25,0
38010728	7 x AWG 28/7	0,127	2,7	6,3	14,8
38010726	7 x AWG 26/7	0,160	3,0	9,8	19,4
38010724	7 x AWG 24/7	0,203	3,4	14,7	26,6
38010722	7 x AWG 22/7	0,254	4,1	23,8	38,6
38010720	7 x AWG 20/7	0,320	4,5	37,8	54,1
38011028	10 x AWG 28/7	0,127	3,4	9,0	20,4
38011026	10 x AWG 26/7	0,160	4,0	14,0	27,4
38011024	10 x AWG 24/7	0,203	4,5	21,0	39,0
38011022	10 x AWG 22/7	0,254	5,1	34,0	55,2
38011020	10 x AWG 20/7	0,320	5,9	54,0	78,3
38011228	12 x AWG 28/7	0,127	3,5	10,8	23,4
38011226	12 x AWG 26/7	0,160	4,0	16,8	32,6
38011224	12 x AWG 24/7	0,203	4,7	25,2	45,3
38011222	12 x AWG 22/7	0,254	5,3	40,8	64,2
38011220	12 x AWG 20/7	0,320	6,3	64,8	92,0

Other dimensions and colours are possible on request.

ETFE and PFA are possible on request.