

ETFE, FEP, PFA Cables

TD 838 CF TP

FEP data cable, twisted pairs with extended temperature range and overall copper shield

+180°C

UL AWM Style 21618 I/II A/B 150°C 600V FT1 FT2 3838-0326 CE



Marking for TD 838 CF TP 38380326:

SAB BRÖCKSKES · D-VIERSEN · TD 838 CF TP AWG 26/3pr UL AWM Style 21618 I/II A/B 150°C 600V FT1 FT2 38380326 CE

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6Y11 acc. to VDE 0207-6
Color code:	DIN 47100, see below
Stranding:	conductors twisted to pairs, pairs together in specially adjusted layering
Wrapping:	foil
Shielding:	tinned copper braiding
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	conductor/shielding: 2000 V
Min. bending radius:	7.5 x O.D.	
Radiation resistance:	1 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE -90/+180°C	UL/cUL: up to +150°C
<i>static:</i>		
<i>flexible:</i>	-55/+180°C	
<i>short-term 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, 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 pairs	outer-ø approx. inch	approx. mm	cable weight ≈lbs/mft
▶ 28 AWG (7 strand) ▪ 0.08 mm²				
38380228	2	0.126	3.2	13
38380328	3	0.142	3.6	17
38380428	4	0.165	4.2	20
38380528	5	0.181	4.6	25
38380628	6	0.185	4.7	27
▶ 26 AWG (7 strand) ▪ 0.14 mm²				
38380226	2	0.138	3.5	15
38380326	3	0.161	4.1	21
38380426	4	0.185	4.7	24
38380526	5	0.205	5.2	29
38380626	6	0.209	5.3	35

item no.	no. of pairs	outer-ø approx. inch	approx. mm	cable weight ≈lbs/mft
▶ 24 AWG (7 strand) ▪ 0.25 mm²				
38380224	2	0.157	4.0	20
38380324	3	0.177	4.5	25
38380424	4	0.217	5.5	33
38380524	5	0.228	5.8	34
38380624	6	0.232	5.9	45
▶ 22 AWG (7 strand) ▪ 0.34 mm²				
38380222	2	0.181	4.6	25
38380322	3	0.205	5.2	34
38380422	4	0.232	5.9	42
38380522	5	0.256	6.5	51
38380622	6	0.272	6.9	60

item no.	no. of pairs	outer-ø approx. inch	approx. mm	cable weight ≈lbs/mft
▶ 20 AWG (7 strand) ▪ 0.50 mm²				
38380220	2	0.201	5.1	33
38380320	3	0.232	5.9	45
38380420	4	0.268	6.8	57
38380520	5	0.295	7.5	70
38380620	6	0.307	7.8	83
▶ 18 AWG (7 strand) ▪ 1.00 mm²				
38380418	4	0.319	8.1	83

Other dimensions and colors are available on request

DIN 47100 color code:

#1- white/brown, #2- green/yellow, #3- gray/pink, #4- blue/red, #5- black/purple, #6- gray-pink/red-blue



Possible on request:

- ETFE or PFA insulated strands