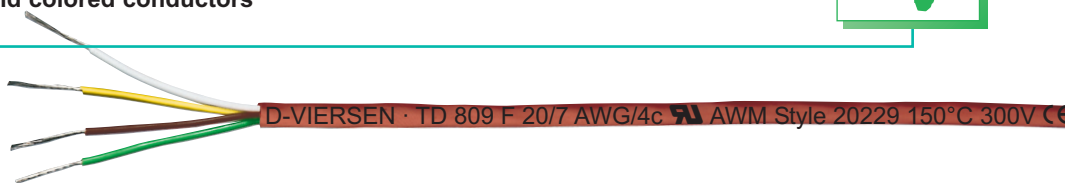


ETFE, FEP, PFA CABLES

TD 809 F FEP insulated connection cable with wider temperature range and colored conductors



Marking for TD 809 F 38090420:

SAB BRÖCKSKES · D-VIERSEN · TD 809 F 20/7 AWG/4c AWM Style 20229 150°C 300V CE

TD 809 F is a UL approved 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 809 F is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists.

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6Y11 acc. to DIN VDE 0207 part 6
Color code:	acc. to color code US 4 see page N/24
Stranding:	in layers
Wrapping:	PETP foil
Slitting cord:	Kevlar-therad 1580 dtex under the jacket
Jacket material:	FEP, 6YM1 acc. to DIN VDE 0207 part 6
Jacket color:	tan

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

Technical data:

Voltage:	UL: 300 V	
Peak operating voltage:	max. 900 V	
Testing voltage:	2000 V	
Min. bending radius		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Temperature range	DIN VDE:	UL: up to +150 °C
<i>static:</i>	-90/+180 °C	
<i>flexing:</i>	-55/+180 °C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1	
Oil resistance:	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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24/7 AWG					▶ 22/7 AWG					▶ 20/7 AWG				
38092402	2	0.142	3.6	14	38092202	2	0.154	3.9	17	38092002	2	0.169	4.3	21
38092403	3	0.150	3.8	17	38092203	3	0.161	4.1	21	38092003	3	0.177	4.5	27
38092404	4	0.161	4.1	21	38092204	4	0.173	4.4	25	38092004	4	0.193	4.9	33
38092405	5	0.173	4.4	25	38092205	5	0.189	4.8	31	38092005	5	0.213	5.4	41
38092406	6	0.189	4.8	29	38092206	6	0.205	5.2	36	38092006	6	0.228	5.8	48
38092407	7	0.189	4.8	30	38092207	7	0.205	5.2	38	38092007	7	0.228	5.8	51
38092408	8	0.213	5.4	37	38092208	8	0.236	6.0	48	38092008	8	0.264	6.7	63
38092409	9	0.228	5.8	42	38092209	9	0.252	6.4	54	38092009	9	0.283	7.2	72
38092410	10	0.232	5.9	41	38092210	10	0.256	6.5	52	38092010	10	0.287	7.3	70
38092412	12	0.240	6.1	47	38092212	12	0.264	6.7	60	38092012	12	0.295	7.5	81
38092414	14	0.252	6.4	52	38092214	14	0.276	7.0	68	38092014	14	0.311	7.9	92
38092416	16	0.264	6.7	59	38092216	16	0.291	7.4	77	38092016	16	0.331	8.4	105
38092418	18	0.280	7.1	66	38092218	18	0.307	7.8	86	38092018	18	0.346	8.8	117
38092420	20	0.291	7.4	72	38092220	20	0.323	8.2	95	38092020	20	0.366	9.3	130
38092425	25	0.331	8.4	86	38092225	25	0.366	9.3	113	38092025	25	0.413	10.5	155
38092430	30	0.343	8.7	99	38092230	30	0.378	9.6	131	38092030	30	0.429	10.9	182
38092436	36	0.370	9.4	118	38092236	36	0.409	10.4	156	38092036	36	0.465	11.8	215
38092442	42	0.398	10.1	136	38092242	42	0.441	11.2	182	38092042	42	0.512	13.0	259

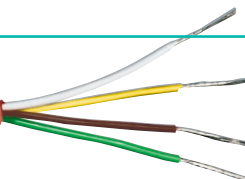
Continued on next page

ETFE, FEP, PFA CABLES



TD 809 F FEP insulated connection cable with wider temperature range and colored conductors

D-VIERSEN · TD 809 F 20/7 AWG/4c AWM Style 20229 150°C 300V CE



Marking for TD 809 F 38090420:

SAB BRÖCKSKES · D-VIERSEN · TD 809 F 20/7 AWG/4c AWM Style 20229 150°C 300V CE

TD 809 F is a UL approved 300 V, 150°C multi conductor US color coded FEP data cable which is suitable for various applications due to its thin construction as well as good chemical resistance. TD 809 F is a non-outgassing product which makes it possible to be applied in clean rooms as well as wherever a large temperature range exists.

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6Y11 acc. to DIN VDE 0207 part 6
Color code:	acc. to color code US 4 see page N/24
Stranding:	in layers
Wrapping:	PETP foil
Slitting cord:	Kevlar-therad 1580 dtex under the jacket
Jacket material:	FEP, 6YM1 acc. to DIN VDE 0207 part 6
Jacket color:	tan

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

Technical data:

Voltage:	UL: 300 V
Peak operating voltage:	max. 900 V
Testing voltage:	2000 V
Min. bending radius <i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
Temperature range <i>static:</i>	DIN VDE: -90/+180 °C
<i>flexing:</i>	UL: up to +150 °C -55/+180 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1
Oil resistance:	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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18/7 AWG				
38091802	2	0.189	4.8	27
38091803	3	0.201	5.1	36
38091804	4	0.217	5.5	44
38091805	5	0.236	6.0	55
38091806	6	0.260	6.6	65
38091807	7	0.260	6.6	70
38091808	8	0.299	7.6	86
38091809	9	0.319	8.1	98
38091810	10	0.327	8.3	97
38091812	12	0.339	8.6	113
38091814	14	0.354	9.0	129
38091816	16	0.378	9.6	147
38091818	18	0.398	10.1	165
38091820	20	0.417	10.6	182
38091825	25	0.488	12.4	227
38091830	30	0.504	12.8	265
38091836	36	0.547	13.9	281
38091842	42	0.587	14.9	369

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16/7 AWG				
38091602	2	0.205	5.2	33
38091603	3	0.213	5.4	44
38091604	4	0.232	5.9	55
38091605	5	0.256	6.5	68
38091606	6	0.280	7.1	81
38091607	7	0.280	7.1	87
38091608	8	0.323	8.2	108
38091609	9	0.346	8.8	115
38091610	10	0.354	9.0	122
38091612	12	0.366	9.3	143
38091614	14	0.386	9.8	163
38091616	16	0.409	10.4	186
38091618	18	0.433	11.0	209
38091620	20	0.453	11.5	232
38091625	25	0.528	13.4	288
38091630	30	0.551	14.0	339
38091636	36	0.594	15.1	404
38091642	42	0.642	16.3	471

Other dimensions and colors are possible on request.