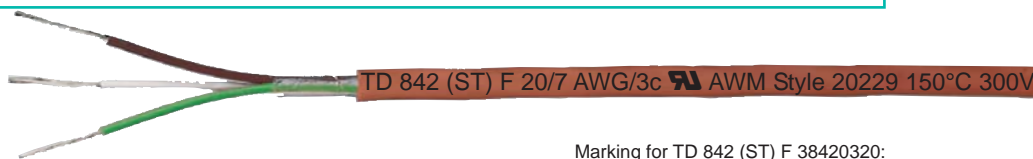


ETFE, FEP, PFA CABLES

TD 842 (ST) F FEP insulated connection cable with wider temperature range, colored conductors and electrostatic screen



TD 842 (ST) F 20/7 AWG/3c AWM Style 20229 150°C 300V
 SAB BRÖCKSKES · D-VIERSEN · TD 842 (ST) F 20/7 AWG/3c AWM Style 20229 150°C 300V

Marking for TD 842 (ST) F 38420320:

TD 842 (ST) F is a UL recognized shielded 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 842 (ST) 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6YI1 acc. to DIN VDE 0207 part 6
Color code:	acc. to color code US 4 see page N/26
Stranding:	in layers
Wrapping:	PETP foil
Drain wire:	tinned copper strands acc. to ASTM B 286
Wrapping:	alu foil
Slitting cord:	Aramid-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:	conductor/conductor 2000 V conductor/shield 600 V (ST)
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 directive of the European Union see page N/28

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
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▶ 24/7 AWG

38422402	2	0.146	3.7	16
38422403	3	0.154	3.9	19
38422404	4	0.177	4.5	25
38422405	5	0.193	4.9	29
38422406	6	0.205	5.2	33
38422408	8	0.232	5.9	42
38422410	10	0.244	6.2	44
38422412	12	0.256	6.5	50
38422414	14	0.268	6.8	57
38422416	16	0.283	7.2	64
38422418	18	0.295	7.5	70
38422420	20	0.307	7.8	77
38422425	25	0.335	8.5	89
38422430	30	0.358	9.1	104
38422436	36	0.374	9.5	119
38422442	42	0.417	10.6	138

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
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▶ 22/7 AWG

38422202	2	0.157	4.0	20
38422203	3	0.177	4.5	25
38422204	4	0.193	4.9	31
38422205	5	0.209	5.3	36
38422206	6	0.224	5.7	42
38422208	8	0.256	6.5	54
38422210	10	0.268	6.8	57
38422212	12	0.280	7.1	64
38422214	14	0.295	7.5	74
38422216	16	0.311	7.9	82
38422218	18	0.327	8.3	92
38422220	20	0.343	8.7	101
38422225	25	0.370	9.4	117
38422230	30	0.398	10.1	138
38422236	36	0.413	10.5	159
38422242	42	0.465	11.8	184

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
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▶ 20/7 AWG

38422002	2	0.173	4.4	25
38422003	3	0.181	4.6	31
38422004	4	0.185	4.7	38
38422005	5	0.232	5.9	47
38422006	6	0.252	6.4	55
38422008	8	0.287	7.3	72
38422010	10	0.299	7.6	76
38422012	12	0.315	8.0	87
38422014	14	0.335	8.5	100
38422016	16	0.350	8.9	112
38422018	18	0.370	9.4	125
38422020	20	0.386	9.8	138
38422025	25	0.417	10.6	161
38422030	30	0.453	11.5	190
38422036	36	0.469	11.9	220
38422042	42	0.539	13.7	263

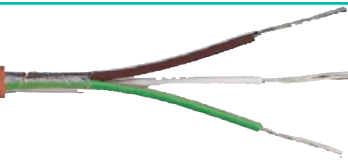
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ETFE, FEP, PFA CABLES



TD 842 (ST) F FEP insulated connection cable with wider temperature range, colored conductors and electrostatic screen

842 (ST) F 20/7 AWG/3c AWM Style 20229 150°C 300V CE



Marking for TD 842 (ST) F 38420320:

SAB BRÖCKSKES · D-VIERSEN · TD 842 (ST) F 20/7 AWG/3c AWM Style 20229 150°C 300V CE

TD 842 (ST) F is a UL recognized shielded 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 842 (ST) 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

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/26
Stranding:	in layers
Wrapping:	PETP foil
Drain wire:	tinned copper strands acc. to ASTM B 286
Wrapping:	alu foil
Slitting cord:	Aramid-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:	conductor/conductor 2000 V conductor/shield 600 V (ST)
Min. bending radius <i>fixed installation:</i> <i>free movement:</i>	5 x O.D. 10 x O.D.
Temperature range <i>static:</i> <i>flexing:</i>	DIN VDE: -90/+180 °C -55/+180 °C UL: up to +150 °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 directive of the European Union see page N/28

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
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▶ 18/7 AWG

38421802	2	0.193	4.9	34
38421803	3	0.205	5.2	42
38421804	4	0.240	6.1	54
38421805	5	0.264	6.7	65
38421806	6	0.283	7.2	75
38421808	8	0.323	8.2	97
38421810	10	0.343	8.7	105
38421812	12	0.358	9.1	121
38421814	14	0.378	9.6	139
38421816	16	0.402	10.2	157
38421818	18	0.421	10.7	175
38421820	20	0.441	11.2	194
38421825	25	0.492	12.5	235
38421830	30	0.528	13.4	277
38421836	36	0.551	14.0	322
38421842	42	0.618	15.7	373

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
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▶ 16/7 AWG

38421602	2	0.209	5.3	42
38421603	3	0.217	5.5	52
38421604	4	0.260	6.6	67
38421605	5	0.283	7.2	80
38421606	6	0.307	7.8	94
38421608	8	0.354	9.0	123
38421610	10	0.370	9.4	133
38421612	12	0.390	9.9	153
38421614	14	0.413	10.5	177
38421616	16	0.433	11.0	199
38421618	18	0.457	11.6	222
38421620	20	0.492	12.5	253
38421625	25	0.535	13.6	298
38421630	30	0.579	14.7	353
38421636	36	0.598	15.2	411
38421642	42	0.665	16.9	476

Other dimensions and colors are possible on request.