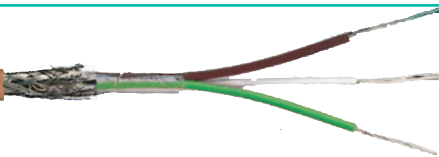


# ETFE, FEP, PFA CABLES



## TD 845 DS Double shielded FEP insulated connection cable with wider temperature range, colored conductors and copper screen

5 DS 20/7 AWG/3c AWM Style 20229 150°C 300V CE



Marking for TD 845 DS 38450320:

SAB BRÖCKSKES · D-VIERSEN · TD 845 DS 20/7 AWG/3c AWM Style 20229 150°C 300V CE

TD 845 DS is a UL recognized foil and tinned copper braided 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 845 DS 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:

<b>Conductor:</b>	tinned copper strands acc. to ASTM B 286
<b>Insulation:</b>	FEP, 6Y11 acc. to DIN VDE 0207 part 6
<b>Color code:</b>	acc. to color code US 4 see page O/27
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Drain wire:</b>	tinned copper strands acc. to ASTM B 286
<b>Wrapping:</b>	alu/polyester/alu foil, coated on both sides
<b>Screen:</b>	tinned copper braiding
<b>Rip cord:</b>	Aramid-thread 1580 dtex under the jacket
<b>Jacket material:</b>	FEP, 6YM1 acc. to DIN VDE 0207 part 6
<b>Jacket color:</b>	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:

<b>Voltage:</b>	<b>UL:</b> 300 V
<b>Peak operating voltage:</b>	max. 900 V
<b>Testing voltage:</b>	conductor/conductor 2000 V conductor/shield 1000 V conductor/shield 600 V (ST)
<b>Min. bending radius</b> <i>fixed installation:</i> <i>free movement:</i>	5 x O.D. 10 x O.D.
<b>Temperature range</b> <i>static:</i> <i>flexible:</i>	<b>DIN VDE:</b> -90/+180°C -55/+180°C <b>UL:</b> up to +150°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 and UL VW1
<b>Oil resistance:</b>	acc. to UL standard 758, at 80°C after 80 days
<b>Chemical resistance:</b>	very good against acids, halogens, bases, chlorinated solvents as well as organic and inorganic compounds
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors	nominal outer- $\phi$ inch	nominal outer- $\phi$ mm	cable weight $\approx$ lbs/mft
<b>▶ 24/7 AWG</b>				
38452402	2	0.173	4.4	23
38452403	3	0.185	4.7	27
38452404	4	0.197	5.0	32
38452405	5	0.209	5.3	36
38452406	6	0.224	5.7	41
38452408	8	0.252	6.4	52
38452410	10	0.264	6.7	54
38452412	12	0.276	7.0	61
38452414	14	0.287	7.3	68
38452415	15	0.287	7.3	71
38452416	16	0.303	7.7	75
38452418	18	0.315	8.0	82
38452420	20	0.327	8.3	89
38452425	25	0.354	9.0	103
38452430	30	0.378	9.6	119
38452436	36	0.394	10.0	135
38452442	42	0.445	11.3	162
<b>▶ 22/7 AWG</b>				
38452202	2	0.185	4.7	27
38452203	3	0.197	5.0	32
38452204	4	0.213	5.4	38
38452205	5	0.228	5.8	44
38452206	6	0.244	6.2	51
38452208	8	0.280	7.1	65
38452210	10	0.287	7.3	68
38452212	12	0.299	7.6	76

item no.	no. of conductors	nominal outer- $\phi$ inch	nominal outer- $\phi$ mm	cable weight $\approx$ lbs/mft
<b>▶ 22/7 AWG</b>				
38452214	14	0.315	8.0	86
38452216	16	0.331	8.4	96
38452218	18	0.346	8.8	106
38452220	20	0.362	9.2	115
38452225	25	0.390	9.9	132
38452230	30	0.425	10.8	162
38452236	36	0.449	11.4	184
38452242	42	0.504	12.8	219
<b>▶ 20/7 AWG</b>				
38452002	2	0.201	5.1	33
38452003	3	0.217	5.5	41
38452004	4	0.232	5.9	48
38452005	5	0.252	6.4	57
38452006	6	0.272	6.9	65
38452008	8	0.303	7.7	83
38452010	10	0.319	8.1	89
38452012	12	0.335	8.5	100
38452014	14	0.354	9.0	114
38452016	16	0.370	9.4	126
38452018	18	0.390	9.9	141
38452020	20	0.406	10.3	153
38452025	25	0.445	11.3	185
38452030	30	0.492	12.5	225
38452036	36	0.508	12.9	255
38452042	42	0.567	14.4	297

item no.	no. of conductors	nominal outer- $\phi$ inch	nominal outer- $\phi$ mm	cable weight $\approx$ lbs/mft
<b>▶ 18/7 AWG</b>				
38451802	2	0.224	5.7	43
38451803	3	0.240	6.1	53
38451804	4	0.260	6.6	64
38451805	5	0.280	7.1	75
38451806	6	0.303	7.7	87
38451808	8	0.343	8.7	111
38451810	10	0.362	9.2	119
38451812	12	0.378	9.6	137
38451814	14	0.398	10.1	155
38451816	16	0.429	10.9	182
38451818	18	0.449	11.4	200
38451820	20	0.469	11.9	221
38451825	25	0.520	13.2	265
38451830	30	0.555	14.1	307
<b>▶ 16/7 AWG</b>				
38451602	2	0.236	6.0	52
38451603	3	0.256	6.5	63
38451604	4	0.280	7.1	78
38451605	5	0.303	7.7	92
38451606	6	0.327	8.3	106
38451608	8	0.370	9.4	136
38451610	10	0.390	9.9	148
38451612	12	0.409	10.4	169
38451614	14	0.433	11.0	201
38451616	16	0.465	11.8	227
38451618	18	0.496	12.6	257
38451620	20	0.520	13.2	284
38451625	25	0.563	14.3	332
38451630	30	0.606	15.4	387

Other dimensions and colors are possible on request.

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Web site: [www.sabcable.com](http://www.sabcable.com)