

+180 °C

ETFE, FEP, PFA CABLES



TD 846 DS TP paired, double screened data cable with overall foil and copper screening

EN · TD 846 DS TP 20/7 AWG/3pr AWM Style 20229 150°C 300V CE



Marking for TD 846 DS TP 38460320:

SAB BRÖCKSKES · D-VIERSEN · TD 846 DS TP 20/7 AWG/3pr AWM Style 20229 150°C 300V CE

Construction:

Conductor:	tinned copper strands acc. to ASTM B 286
Insulation:	FEP, 6YI1 acc. to VDE 0207-6
Color code:	US 5, see page N/12
Stranding:	pairwise, pairs totally twisted with special adjusted layering
Wrapping:	PETP foil
Drain wire:	tinned copper strands acc. to ASTM B 286
Wrapping:	AL/P/AL-foil coated on both sides
Screen:	tinned copper braiding
Slitting cord:	Aramid-thread 1580 dtex under the jacket
Sheath material:	FEP, 6YM1 acc. to VDE 0207-6
Sheath color:	brown (RAL 8003)

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:	core/core 2000 V core/shield 1000 V core/shield 600 V (ST)
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
Temperature range	DIN VDE: UL: up to +150 °C
<i>fixed laying:</i>	-90/+180 °C
<i>flexible application:</i>	-55/+180 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2 + 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/14

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item no.	dimensions	largest single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38460224	2 x 2 x AWG 24/7	0,203	6,1	23,3	50
38460222	2 x 2 x AWG 22/7	0,254	6,5	29,4	65
38460220	2 x 2 x AWG 20/7	0,320	7,2	41,0	75
38460218	2 x 2 x AWG 18/7	0,404	8,1	60,4	99
38460216	2 x 2 x AWG 16/19	0,287	8,6	78,0	119
38460324	3 x 2 x AWG 24/7	0,203	6,8	29,4	62
38460322	3 x 2 x AWG 22/7	0,254	7,4	39,6	76
38460320	3 x 2 x AWG 20/7	0,320	8,2	54,9	96
38460318	3 x 2 x AWG 18/7	0,404	9,2	79,7	127
38460316	3 x 2 x AWG 16/19	0,287	9,8	103,5	155
38460424	4 x 2 x AWG 24/7	0,203	7,8	35,4	75
38460422	4 x 2 x AWG 22/7	0,254	8,4	48,4	93
38460420	4 x 2 x AWG 20/7	0,320	9,4	69,1	118
38460418	4 x 2 x AWG 18/7	0,404	10,6	100,8	159
38460416	4 x 2 x AWG 16/19	0,287	11,4	131,8	195
38460524	5 x 2 x AWG 24/7	0,203	8,3	41,6	90
38460522	5 x 2 x AWG 22/7	0,254	9,1	57,2	111
38460520	5 x 2 x AWG 20/7	0,320	10,2	82,0	145
38460518	5 x 2 x AWG 18/7	0,404	11,5	120,6	193
38460516	5 x 2 x AWG 16/19	0,287	12,7	171,8	249
38460624	6 x 2 x AWG 24/7	0,203	8,6	46,1	100
38460622	6 x 2 x AWG 22/7	0,254	9,4	65,7	127
38460620	6 x 2 x AWG 20/7	0,320	10,5	92,9	165
38460618	6 x 2 x AWG 18/7	0,404	12,0	153,9	235
38460616	6 x 2 x AWG 16/19	0,287	13,0	200,8	290

item no.	dimensions	largest single wire ø mm	max. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
38460724	7 x 2 x AWG 24/7	0,203	9,0	52,3	116
38460722	7 x 2 x AWG 22/7	0,254	9,8	74,6	145
38460720	7 x 2 x AWG 20/7	0,320	10,9	106,0	189
38460718	7 x 2 x AWG 18/7	0,404	12,6	171,5	267
38460716	7 x 2 x AWG 16/19	0,287	14,0	224,8	341
38461024	10 x 2 x AWG 24/7	0,203	10,3	69,3	137
38461022	10 x 2 x AWG 22/7	0,254	11,4	98,1	175
38461020	10 x 2 x AWG 20/7	0,320	12,9	160,2	246
38461018	10 x 2 x AWG 18/7	0,404	15,0	233,7	344
38461016	10 x 2 x AWG 16/19	0,287	16,8	306,1	428
38461424	14 x 2 x AWG 24/7	0,203	12,2	105,7	190
38461422	14 x 2 x AWG 22/7	0,254	13,8	147,8	254
38461420	14 x 2 x AWG 20/7	0,320	15,4	208,3	332
38461418	14 x 2 x AWG 18/7	0,404	17,5	309,4	452
38461416	14 x 2 x AWG 16/19	0,287	19,3	429,6	582
38461824	18 x 2 x AWG 24/7	0,203	13,1	129,1	233
38461822	18 x 2 x AWG 22/7	0,254	14,9	180,0	311
38461820	18 x 2 x AWG 20/7	0,320	16,6	257,3	412
38461818	18 x 2 x AWG 18/7	0,404	19,1	406,7	581
38461816	18 x 2 x AWG 16/19	0,287	20,8	535,5	727
38462524	25 x 2 x AWG 24/7	0,203	15,1	164,9	304
38462522	25 x 2 x AWG 22/7	0,254	16,7	234,7	393
38462520	25 x 2 x AWG 20/7	0,320	19,1	961,2	544
38462518	25 x 2 x AWG 18/7	0,404	22,6	540,4	801
38462516	25 x 2 x AWG 16/19	0,287	24,6	714,6	999

Other dimensions and colours are possible on request.