

Continuous Flex Cables for Track

SD 960 CP TP

Continuous flex twisted pairs shielded polyurethane data cable for small bending radius



AWM I/II A/B 80°C 300V FT1 FT2 CE

Marking for SD 960 CP TP 7872405:

SAB BRÖCKSKES · D-VIERSEN · 7870525 5 x 2 x 0,25 mm² SD 960 CP TP 24 AWG/5pr 7872405 AWM Style 20549 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	US 3, see below
Stranding:	conductors twisted to pairs, pairs twisted in specially adjusted layering with non-woven tape over each layer
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PU acc. to UL 758 with matte surface
Jacket color:	grayish tan (RAL 7032)

Technical data:

Peak operating voltage:	max. 350 V	
Voltage UL/CSA:	300 V	
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V	
Min. bending radius:	<i>continuously flexing:</i> 7.5 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE static: -30/+70°C flexing: +5/+70°C	UL/CSA: up to +80°C
Burning characteristics:	flame retardant and self-extinguishing acc. to UL FT1, CSA FT1, FT2	
Oil resistance:	very good - oil rating 60°C acc. to UL 758	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.	
Approvals:	UR AWM, CSA AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

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Outstanding features:

- very good EMC characteristics
- high abrasion resistance
- very good flexibility

item no.	no. of pairs	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²				
7872602	2	0.252	6.4	31
7872603	3	0.268	6.8	35
7872604	4	0.311	7.9	43
7872605	5	0.335	8.5	50
7872607	7	0.354	9.0	78
7872610	10	0.417	10.6	84
7872614	14	0.496	12.6	114
7872618	18	0.555	14.1	159
7872625	25	0.638	16.2	196
▶ 24 AWG (≈ 32/38) • 0.25 mm²				
7872402	2	0.268	6.8	35
7872403	3	0.295	7.5	42
7872404	4	0.331	8.4	51
7872405	5	0.362	9.2	62
7872407	7	0.386	9.8	81
7872408	8	0.450	11.4	98
7872410	10	0.469	11.9	111
7872414	14	0.563	14.3	160
7872418	18	0.614	15.6	202
7872425	25	0.693	17.6	249

item no.	no. of pairs	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 22 AWG (≈ 42/38) • 0.34 mm²				
7872202	2	0.280	7.1	40
7872203	3	0.303	7.7	46
7872204	4	0.350	8.9	58
7872205	5	0.378	9.6	68
7872207	7	0.413	10.5	101
7872210	10	0.492	12.5	126
7872214	14	0.594	15.1	184
7872218	18	0.646	16.4	221
7872225	25	0.732	18.6	285
▶ 20 AWG (≈ 28/34) • 0.50 mm²				
7872002	2	0.303	7.7	50
7872003	3	0.335	8.5	58
7872004	4	0.382	9.7	73
7872005	5	0.421	10.7	101
7872007	7	0.469	11.9	123
7872010	10	0.563	14.3	179
7872014	14	0.657	16.7	240
7872018	18	0.713	18.1	308
7872025	25	0.807	20.5	376

item no.	no. of pairs	outer-ø		cable weight
		±10% inch	±10% mm	≈lbs/mft
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
7871902	2	0.339	8.6	61
7871903	3	0.374	9.5	73
7871904	4	0.441	11.2	101
7871905	5	0.488	12.4	130
7871907	7	0.551	14.0	187
7871910	10	0.642	16.3	223
7871914	14	0.752	19.1	306
7871918	18	0.819	20.8	384
7871925	25	0.976	24.8	531

Other dimensions and colors are available on request

US 3 color code:

#1- black paired with red, #2- black paired with white, #3- black paired with green, #4- black paired with blue, #5- black paired with yellow, #6- black paired with brown, #7- black paired with orange, #8- red paired with white, #9- red paired with green, #10- red paired with blue, #11- red paired with yellow, #12- red paired with brown, #13- red paired with orange, #14- green paired with white, #15- green paired with blue, #16- green paired with yellow, #17- green paired with brown, #18- green paired with orange, #19- white paired with blue, #20- white paired with yellow, #21- white paired with brown, #22- white paired with orange, #23- blue paired with yellow, #24- blue paired with brown, #25- blue paired with orange



Possible on request:

- colored conductors acc. to DIN 47100