

Continuous Flex Cables for Track

S 960 CY red

Shielded continuous flex control cable for small bending radius with red conductors



90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE



Marking for S 960 CY red 7851607:

SAB BRÖCKSKES · D-VIERSEN · 7850715 7 x 1.5 mm² S 960 CY red 16 AWG/7c 7851607 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	red conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Inner jacket:	PVC, TM2 acc. to EN 50363-3 + VDE 0207-363-3
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PVC, TM2 acc. to EN 50363-3 + VDE 0207-363-3
Jacket color:	black (RAL 9005)

Outstanding features:



- very good EMC characteristics
- very good flexibility
- small bending radius
- UV resistant jacket

Technical data:

Nominal voltage:	Uo/U 300/500 V
Voltage UL/CSA:	600 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 V
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE UL/CSA: up to +90°C -40/+70°C +5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2
Oil resistance:	acc. to our internal standard, see page O/29
Approvals:	UR AWM, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 20 AWG (≈ 28/34) ▪ 0.50 mm ²				
7852002	2	0.311	7.9	53
7852003	3	0.323	8.2	61
7852004	4	0.343	8.7	70
7852005	5	0.370	9.4	83
7852007	7	0.421	10.7	110
7852012	12	0.516	13.1	163
7852018	18	0.594	15.1	226
7852025	25	0.697	17.7	296
► 19 AWG (≈ 42/34) ▪ 0.75 mm ²				
7851902	2	0.327	8.3	60
7851903	3	0.343	8.7	69
7851904	4	0.366	9.3	81
7851905	5	0.394	10.0	95
7851907	7	0.457	11.6	126
7851912	12	0.551	14.0	185
7851918	18	0.638	16.2	261
7851925	25	0.764	19.4	350
► 18 AWG (≈ 56/34) ▪ 1.00 mm ²				
7851802	2	0.339	8.6	66
7851803	3	0.350	8.9	75
7851804	4	0.374	9.5	88
7851805	5	0.406	10.3	105
7851807	7	0.476	12.1	144
7851812	12	0.579	14.7	222
7851818	18	0.665	16.9	305
7851825	25	0.791	20.1	404
7851836	36	0.890	22.6	574

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 16 AWG (≈ 84/34) ▪ 1.50 mm ²				
7851602	2	0.366	9.3	79
7851603	3	0.382	9.7	92
7851604	4	0.409	10.4	110
7851605	5	0.453	11.5	140
7851607	7	0.531	13.5	192
7851612	12	0.638	16.2	282
7851618	18	0.744	18.9	394
7851625	25	0.886	22.5	530
► 14 AWG (≈ 140/34) ▪ 2.50 mm ²				
7851402	2	0.449	11.4	122
7851403	3	0.472	12.0	147
7851404	4	0.516	13.1	179
7851405	5	0.571	14.5	229
7851407	7	0.622	15.8	294
7851412	12	0.803	20.4	438
7851418	18	0.933	23.7	610
7851425	25	1.110	28.2	815
► 12 AWG (≈ 224/34) ▪ 4.00 mm ²				
7851203	3	0.539	13.7	202
7851204	4	0.575	14.6	251
7851205	5	0.630	16.0	304
7851207	7	0.760	19.3	440
► 10 AWG (≈ 186/32) ▪ 6.00 mm ²				
7851003	3	0.638	16.2	288
7851004	4	0.685	17.4	347
7851005	5	0.760	19.3	416

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
► 8 AWG (≈ 320/32) ▪ 10.00 mm ²				
7850804	4	0.835	21.2	531
7850805	5	0.925	23.5	644
► 6 AWG (≈ 504/32) ▪ 16.00 mm ²				
7850604	4	0.980	24.9	734
7850605	5	1.079	27.4	902
► 4 AWG (≈ 760/32) ▪ 25.00 mm ²				
7850404	4	1.165	29.6	1124
7850405	5	1.291	32.8	1329
► 2 AWG (≈ 1083/32) ▪ 35.00 mm ²				
7850204	4	1.303	33.1	1418
► 1 AWG (≈ 703/28) ▪ 50.00 mm ²				
7850104	4	1.567	39.8	2022

Other dimensions and colors are available on request