

Continuous Flex

S 960 CP

Continuous flex shielded polyurethane control cable for small bending radius



Marking for S 960 CP 7861612:

SAB BRÖCKSKES · D-VIERSEN · 7861215 12 x 1.5 mm² S 960 CP 16 AWG/12c 7861612 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

B
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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:	black 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:	special PVC
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PU acc. to UL 758 with matte surface
Jacket color:	gray (RAL 7000)

Outstanding features:



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

Technical data:

Nominal voltage:	Uo/U 300/500 V	
Voltage UL/CSA:	600 V	
Testing voltage:	conductor/conductor: 3000 V conductor/shielding: 2000 V	
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE -40/+70°C	UL/CSA: up to +80°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:	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, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 28/34) • 0.50 mm²				
7862002	2	0.331	8.4	58
7862003	3	0.343	8.7	65
7862004	4	0.358	9.1	73
7862005	5	0.382	9.7	84
7862007	7	0.425	10.8	108
7862012	12	0.508	12.9	155
7862018	18	0.575	14.6	211
7862025	25	0.665	16.9	270
7862030	30	0.665	16.9	281
7862036	36	0.709	18.0	306
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
7861902	2	0.346	8.8	65
7861903	3	0.358	9.1	71
7861904	4	0.378	9.6	81
7861905	5	0.402	10.2	94
7861907	7	0.457	11.6	122
7861912	12	0.539	13.7	175
7861918	18	0.626	15.9	248
7861925	25	0.732	18.6	321
7861930	30	0.736	18.7	375
7861936	36	0.799	20.3	411
▶ 18 AWG (≈ 56/34) • 1.00 mm²				
7861802	2	0.354	9.0	70
7861803	3	0.366	9.3	77
7861804	4	0.386	9.8	89
7861805	5	0.413	10.5	104
7861807	7	0.472	12.0	138
7861812	12	0.563	14.3	209
7861818	18	0.646	16.4	288
7861825	25	0.756	19.2	372
7861830	30	0.764	19.4	432
7861836	36	0.886	22.5	530

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 84/34) • 1.50 mm²				
7861602	2	0.378	9.6	82
7861603	3	0.390	9.9	93
7861604	4	0.417	10.6	110
7861605	5	0.453	11.5	136
7861607	7	0.520	13.2	177
7861612	12	0.622	15.8	268
7861618	18	0.705	17.9	363
7861625	25	0.886	22.5	517
7861630	30	0.894	22.7	599
7861636	36	0.969	24.6	680
▶ 14 AWG (≈ 140/34) • 2.50 mm²				
7861402	2	0.449	11.4	121
7861403	3	0.469	11.9	142
7861404	4	0.508	12.9	171
7861405	5	0.555	14.1	216
7861407	7	0.646	16.4	286
7861412	12	0.768	19.5	398
7861418	18	0.949	24.1	636
7861425	25	1.106	28.1	828
▶ 12 AWG (≈ 224/34) • 4.00 mm²				
7861203	3	0.512	13.0	185
7861204	4	0.559	14.2	240
7861205	5	0.618	15.7	296
7861207	7	0.709	18.0	356
▶ 10 AWG (≈ 186/32) • 6.00 mm²				
7861003	3	0.626	15.9	276
7861004	4	0.665	16.9	325
7861005	5	0.728	18.5	393
7861007	7	0.917	23.3	560

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 8 AWG (≈ 320/32) • 10.00 mm²				
7860803	3	0.760	19.3	430
7860804	4	0.795	20.2	495
7860805	5	0.925	23.5	632
▶ 6 AWG (≈ 504/32) • 16.00 mm²				
7860603	3	0.949	24.1	606
7860604	4	0.980	24.9	776
7860605	5	1.063	27.0	871
▶ 4 AWG (≈ 760/32) • 25.00 mm²				
7860404	4	1.138	28.9	1062
7860405	5	1.248	31.7	1260
▶ 2 AWG (≈ 1083/32) • 35.00 mm²				
7860204	4	1.276	32.4	1365

Other dimensions and colors are available on request



also available with orange jacket