PUR Control Cable for Track with UL Recognition & CSA

S 960 P

Continuous flex PVC insulated and polyurethane jacketed control cable with black numbered conductors for small bending radius applications



Marking for S 960 P 7761607:
SAB BRÖCKSKES · D-VIERSEN · 7761607 7 x 1.5 mm² S 960 P 16 AWG/7c 07760715 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 from 3 conductors: green/yellow ground
Stranding:	specially adjusted layering with non-woven tape over each layer
Jacket material:	PU acc. to UL 758 with matte surface
Jacket color:	gray (RAL 7000)

Outstanding Features:

- **Very good oil resistance**
- **Very good chemical resistance**
- **High abrasion resistance**
- **Very good flexibility**
- **PFAS free**

Technical Data:

Nominal voltage:	Uo/U 300/500 V
Voltage UR/CSA:	600 V
Testing voltage:	conductor/conductor: 2000 V
Min. bending radius: *continuously flexing:*	 7.5 x O.D.
Radiation resistance:	5 x 10^7 cJ/kg
Temperature range: *static:* *flexing:*	**DIN VDE:** **UR/CSA:** up to +80°C -40/+70°C +5/+70°C
Fire performance:	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, akalines, solvents, hydraulic liquids, etc.
For flexible application:	very good
For continuous flexing:	very good
Application in track:	recommended
Approvals:	UR AWM, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union, see page P/46

part number	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
20 AWG (≈ 28/34) • 0.50 mm²				
7762002	2	0.252	6.4	31
7762003	3	0.264	6.7	36
7762004	4	0.280	7.1	42
7762005	5	0.303	7.7	52
7762007	7	0.346	8.8	70
7762012	12	0.413	10.5	97
7762018	18	0.472	12.0	134
7762025	25	0.563	14.3	180
7762034	34	0.598	15.2	234
7762050	50	0.728	18.5	245
7762061	61	0.787	20.0	298
19 AWG (≈ 42/34) • 0.75 mm²				
7761902	2	0.268	6.8	37
7761903	3	0.280	7.1	42
7761904	4	0.299	7.6	50
7761905	5	0.323	8.2	60
7761907	7	0.374	9.5	81
7761912	12	0.445	11.3	115
7761918	18	0.516	13.1	161
7761925	25	0.622	15.8	221
7761934	34	0.689	17.5	225
7761950	50	0.787	20.0	400
7761961	61	0.925	23.5	525
18 AWG (≈ 56/34) • 1.00 mm²				
7761802	2	0.276	7.0	41
7761803	3	0.287	7.3	47
7761804	4	0.311	7.9	57
7761805	5	0.335	8.5	69
7761807	7	0.386	9.8	88
7761812	12	0.461	11.7	136
7761818	18	0.535	13.6	200
7761825	25	0.646	16.4	263
7761834	34	0.709	18.0	350
7761850	50	0.878	22.3	527
7761861	61	0.961	24.4	648

part number	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
16 AWG (≈ 84/34) • 1.50 mm²				
7761602	2	0.299	7.6	50
7761603	3	0.315	8.0	60
7761604	4	0.339	8.6	73
7761605	5	0.366	9.3	90
7761607	7	0.425	10.8	124
7761612	12	0.508	12.9	181
7761618	18	0.594	15.1	263
7761625	25	0.720	18.3	355
7761634	34	0.803	20.4	467
7761650	50	0.976	24.8	710
7761661	61	1.091	27.7	861
14 AWG (≈ 140/34) • 2.50 mm²				
7761402	2	0.362	9.2	74
7761403	3	0.382	9.7	91
7761404	4	0.413	10.5	113
7761405	5	0.453	11.5	136
7761407	7	0.531	13.5	181
7761412	12	0.654	16.6	293
7761418	18	0.783	19.9	428
7761425	25	1.000	25.4	619
12 AWG (≈ 224/34) • 4.00 mm²				
7761203	3	0.465	11.8	139
7761204	4	0.469	11.9	165
7761205	5	0.516	13.1	200
7761207	7	0.654	16.6	277
10 AWG (≈ 186/32) • 6.00 mm²				
7761003	3	0.528	13.4	203
7761004	4	0.571	14.5	247
7761005	5	0.630	16.0	307
8 AWG (≈ 320/32) • 10.00 mm²				
7760804	4	0.705	17.9	403
7760805	5	0.776	19.7	503

part number	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
6 AWG (≈ 504/32) • 16.00 mm²				
7760604	4	0.823	20.9	575
7760605	5	0.953	24.2	734
4 AWG (≈ 760/32) • 25.00 mm²				
7760404	4	1.020	25.9	892
7760405	5	1.122	28.5	1088
2 AWG (≈ 1083/32) • 35.00 mm²				
7760204	4	1.150	29.2	1164
7760205	5	1.272	32.3	1420
1 AWG (≈ 703/28) • 50.00 mm²				
7760104	4	1.350	34.3	1659

Other dimensions and colors are available on request.

Possible on request:

- **orange jacket**
- **blue or red conductors**