S 960 red

Continuous flex control cable for small bending radius with red conductors

Marking for S 960 red 7751607:
SAB BRÖCKSKES · D-VIERSEN · 7750715 7 x 1.5 mm² S 960 red 16 AWG/7c 7751607 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, TI2 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
Jacket material:	PVC, TM2 acc. to EN 50363-3 + VDE 0207-363-3
Jacket color:	black (RAL 9005)

Outstanding features:

- **very good flexibility**
- **small bending radius**
- **reinforced outer jacket**
- **UV resistant jacket**

Technical data:

Nominal voltage:	Uo/U 300/500 V
Voltage UL/CSA:	600 V
Testing voltage:	conductor/conductor: 2000 V
Min. bending radius: *continuously flexing:*	 7.5 x O.D.
Radiation resistance:	8 x 10^7 cJ/kg
Temperature range: *static:* *flexing:*	**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, 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				
7752002	2	0.217	5.5	27
7752003	3	0.228	5.8	32
7752004	4	0.248	6.3	38
7752005	5	0.276	7.0	48
7752007	7	0.323	8.2	66
7752012	12	0.398	10.1	97
7752018	18	0.472	12.0	142
7752025	25	0.567	14.4	191
7752034	34	0.638	16.2	254
7752050	50	0.752	19.1	351
7752061	61	0.831	21.1	440
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
7751902	2	0.232	5.9	32
7751903	3	0.248	6.3	38
7751904	4	0.268	6.8	46
7751905	5	0.295	7.5	57
7751907	7	0.358	9.1	82
7751912	12	0.433	11.0	119
7751918	18	0.516	13.1	175
7751925	25	0.622	15.8	238
7751934	34	0.705	17.9	318
7751950	50	0.831	21.1	450
7751961	61	0.925	23.5	558
▶ 18 AWG (≈ 56/34) • 1.00 mm²				
7751802	2	0.244	6.2	37
7751803	3	0.256	6.5	44
7751804	4	0.283	7.2	55
7751805	5	0.311	7.9	68

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 56/34) • 1.00 mm²				
7751807	7	0.370	9.4	95
7751812	12	0.453	11.5	142
7751818	18	0.539	13.7	210
7751825	25	0.650	16.5	285
7751834	34	0.736	18.7	382
7751850	50	0.886	22.5	555
7751861	61	0.965	24.5	671
▶ 16 AWG (≈ 84/34) • 1.50 mm²				
7751602	2	0.268	6.8	47
7751603	3	0.287	7.3	59
7751604	4	0.315	8.0	73
7751605	5	0.346	8.8	91
7751607	7	0.417	10.6	129
7751612	12	0.512	13.0	194
7751618	18	0.606	15.4	286
7751625	25	0.736	18.7	390
7751634	34	0.831	21.1	522
7751650	50	0.988	25.1	749
7751661	61	1.087	27.6	915
▶ 14 AWG (≈ 140/34) • 2.50 mm²				
7751402	2	0.350	8.9	79
7751403	3	0.374	9.5	97
7751404	4	0.409	10.4	120
7751405	5	0.457	11.6	150
7751407	7	0.551	14.0	214
7751412	12	0.681	17.3	323
7751418	18	0.815	20.7	480
7751425	25	0.988	25.1	654

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 12 AWG (≈ 224/34) • 4.00 mm²				
7751203	3	0.445	11.3	150
7751204	4	0.488	12.4	179
7751205	5	0.543	13.8	230
7751207	7	0.657	16.7	331
▶ 10 AWG (≈ 186/32) • 6.00 mm²				
7751003	3	0.516	13.1	214
7751004	4	0.571	14.5	256
7751005	5	0.638	16.2	329
7751007	7	0.764	19.4	470
▶ 8 AWG (≈ 320/32) • 10.00 mm²				
7750803	3	0.638	16.2	337
7750804	4	0.709	18.0	428
7750805	5	0.791	20.1	529
▶ 6 AWG (≈ 504/32) • 16.00 mm²				
7750603	3	0.764	19.4	507
7750604	4	0.846	21.5	641
7750605	5	0.949	24.1	798
▶ 4 AWG (≈ 760/32) • 25.00 mm²				
7750404	4	1.024	26.0	935
7750405	5	1.142	29.0	1195
▶ 2 AWG (≈ 1083/32) • 35.00 mm²				
7750204	4	1.173	29.8	1284
7750205	5	1.295	32.9	1582
▶ 1 AWG (≈ 703/28) • 50.00 mm²				
7750104	4	1.374	34.9	1795

Other dimensions and colors are available on request

also available with gray outer jacket and black or blue conductors