

S 960 CY

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



Marking for S 960 CY 7541607:

SAB BRÖCKSKES · D-VIERSEN · 754715 7 x 1.5 mm² S 960 CY 16 AWG/7c 7541607 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

B
16

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:	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, 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 mm	cable weight ≈lbs/mft
► 20 AWG (≈ 28/34) ▪ 0.50 mm ²			
7542002	2	0.311 7.9	53
7542003	3	0.323 8.2	61
7542004	4	0.343 8.7	70
7542005	5	0.370 9.4	83
7542007	7	0.421 10.7	110
7542012	12	0.516 13.1	163
7542018	18	0.594 15.1	226
7542025	25	0.697 17.7	296
► 19 AWG (≈ 42/34) ▪ 0.75 mm ²			
7541902	2	0.327 8.3	60
7541903	3	0.343 8.7	69
7541904	4	0.366 9.3	81
7541905	5	0.394 10.0	95
7541907	7	0.457 11.6	126
7541912	12	0.551 14.0	185
7541918	18	0.638 16.2	261
7541925	25	0.764 19.4	350
► 18 AWG (≈ 56/34) ▪ 1.00 mm ²			
7541802	2	0.339 8.6	66
7541803	3	0.350 8.9	75
7541804	4	0.374 9.5	88
7541805	5	0.406 10.3	105
7541807	7	0.476 12.1	144
7541812	12	0.579 14.7	222
7541818	18	0.665 16.9	305
7541825	25	0.791 20.1	404
7541836	36	0.890 22.6	574

item no.	no. of conductors incl. ground	nominal outer-ø inch mm	cable weight ≈lbs/mft
► 16 AWG (≈ 84/34) ▪ 1.50 mm ²			
7541602	2	0.366 9.3	79
7541603	3	0.382 9.7	92
7541604	4	0.409 10.4	110
7541605	5	0.453 11.5	140
7541607	7	0.531 13.5	192
7541612	12	0.638 16.2	282
7541618	18	0.744 18.9	394
7541625	25	0.886 22.5	530
► 14 AWG (≈ 140/34) ▪ 2.50 mm ²			
7541402	2	0.449 11.4	122
7541403	3	0.472 12.0	147
7541404	4	0.516 13.1	179
7541405	5	0.571 14.5	229
7541407	7	0.622 15.8	294
7541412	12	0.803 20.4	438
7541418	18	0.933 23.7	610
7541425	25	1.110 28.2	815
► 12 AWG (≈ 224/34) ▪ 4.00 mm ²			
7541203	3	0.539 13.7	202
7541204	4	0.575 14.6	251
7541205	5	0.630 16.0	304
7541207	7	0.760 19.3	440
► 10 AWG (≈ 186/32) ▪ 6.00 mm ²			
7541003	3	0.638 16.2	288
7541004	4	0.685 17.4	347
7541005	5	0.760 19.3	416

item no.	no. of conductors incl. ground	nominal outer-ø inch mm	cable weight ≈lbs/mft
► 8 AWG (≈ 320/32) ▪ 10.00 mm ²			
7540804	4	0.835 21.2	531
7540805	5	0.925 23.5	644
► 6 AWG (≈ 504/32) ▪ 16.00 mm ²			
7540604	4	0.980 24.9	734
7540605	5	1.079 27.4	902
► 4 AWG (≈ 760/32) ▪ 25.00 mm ²			
7540404	4	1.165 29.6	1124
7540405	5	1.291 32.8	1329
► 2 AWG (≈ 1083/32) ▪ 35.00 mm ²			
7540204	4	1.303 33.1	1418
► 1 AWG (≈ 703/28) ▪ 50.00 mm ²			
7540104	4	1.567 39.8	2022

Other dimensions and colors are available on request