

Flexible Control Cables

CC 600 MTW

Oil Resistant 90°C flexible control cable and machine tool cable



Marking for CC 600 MTW 35501604:

SAB BRÜCKSKES · D-VIERSEN · 4x1.5mm² CC 600 MTW 16 AWG/4c 35501604 (UL) Type MTW 600V AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5 UL standard 758 table 5.1, UL 1581 table 20.1
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	in layers
Jacket material:	special oil resistant PVC
Jacket color:	gray (RAL 7000)

Technical data:

Voltage:	UL-AWM / (UL) 600 V	CSA 1000 V
Testing voltage:	conductor/conductor: 4000 V	
Min. bending radius:		
<i>fixed installation:</i>	4 x O.D.	
<i>free movement:</i>	6 x O.D.	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range:	UL/CSA: -25/ +90°C	
Burning characteristics:	CSA FT1, FT2	
Oil resistance:	very good - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1, Oil 60°C acc. to UL 758, Fuel Oil acc. to CSA-C 22.2 No. 210	
Impact and Crushing test:	acc. to UL 1277	
Machinery Area:	yes	
Approvals:	UL MTW, UR AWM, CSA AWM, CE, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

Outstanding features:



- UL recognized, UL listed, CSA approved
- flexible cable for use as machine tool cable
- oil resistant
- NFPA 79 for industrial machinery

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
35501802	2	0.290	7.4	50
35501803	3	0.303	7.7	58
35501804	4	0.327	8.3	69
35501805	5	0.358	9.1	83
35501807	7	0.386	9.8	101
35501809	9	0.472	12.0	132
35501812	12	0.496	12.6	158
35501816	16	0.579	14.7	215
35501818	18	0.606	15.4	238
35501819	19	0.638	16.2	251
35501825	25	0.717	18.2	312
35501827	27	0.717	18.2	330
35501837	37	0.799	20.3	429
35501850	50	0.976	24.8	603
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
35501603	3	0.331	8.4	72
35501604	4	0.358	9.1	86
35501605	5	0.386	9.8	103
35501607	7	0.421	10.7	128
35501608	8	0.484	12.3	154
35501609	9	0.520	13.2	171
35501612	12	0.571	14.5	217
35501616	16	0.634	16.1	275
35501618	18	0.661	16.8	304
35501619	19	0.661	16.8	313

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
35501625	25	0.791	20.1	406
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
35501627	27	0.791	20.1	431
35501641	41	0.988	25.1	667
35501650	50	1.075	27.3	789
35501661	61	1.142	29.0	934
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
35501403	3	0.366	9.3	96
35501404	4	0.394	10.0	116
35501405	5	0.433	11.0	140
35501407	7	0.469	11.9	178
35501409	9	0.606	15.4	251
35501412	12	0.634	16.1	300
35501418	18	0.740	18.8	425
35501425	25	0.925	23.5	606
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
35501203	3	0.413	10.5	134
35501204	4	0.449	11.4	164
35501205	5	0.492	12.5	199
35501207	7	0.567	14.4	271
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
35501003	3	0.488	12.4	191
35501004	4	0.563	14.3	253
35501005	5	0.614	15.6	304
35501007	7	0.669	17.0	392

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 8 AWG (≈ 69/26)				
35500804	4	0.713	18.1	396
35500805	5	0.783	19.9	476
▶ 6 AWG (≈ 110/26)				
35500604	4	0.898	22.8	617
35500605	5	0.988	25.1	746
▶ 4 AWG (≈ 175/26)				
35500404	4	1.079	27.4	936
35500405	5	1.193	30.3	1131
▶ 2 AWG (≈ 272/26)				
35500204	4	1.252	31.8	1189
35500205	5	1.386	35.2	1611
▶ 1 AWG (≈ 342/26)				
35500104	4	1.350	34.3	1631
2 conductor cable does not have ground				
Other dimensions and colors are available on request				