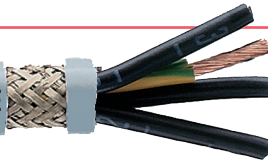




CC 600 MTW CY Type MTW Oil resistant 90°C flexible shielded control cable and machine-tool cable

90°C Oil 60°C 600V CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE



**A
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Marking for CC 600 MTW CY 35601404: SAB BRÖCKSKES · D-VIERSEN · 4 x 2,50 mm²
CC 600 MTW CY 14 AWG/4c 35601404 (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

CC 600 MTW CY is a multi-conductor, 600 V, 90°C, UL, CSA and VDE approved, oil resistant flexible shielded control cable. Also machine-tool cable for use as specified in the National Electrical Code (NFPA 70) and in the National Fire Protection Association Electrical Standard for Industrial Machinery (NFPA 79). The reduced outer diameter permits easy handling and installation in confined areas. Our special designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 MTW CY control cables are designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications are machine tools, control systems, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines. MTW listed cables can be used in NFPA 79 Machine areas.

Construction:

Conductor:	bare copper strands acc. to IEC 60228 class 5 and UL standard 758 table 5.1 + UL 1581 table 20.1
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	non-woven tapes
Screen:	tinned copper braiding
Sheath material:	special oil resistant PVC
Sheath color:	gray

Outstanding features:

- ▶ UL, CSA and (UL) approved
- ▶ flexible cable for use as machine-tool cable
- ▶ oil resistant
- ▶ NFPA 79 for Industrial Machinery

Technical data:

Voltage:	UL-AWM / (UL): 600 V CSA: 1000 V
Testing voltage:	conductor/conductor 4000 V conductor/screen 2000 V
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range:	(UL) / CSA: -25/+90°C
<i>storage ambient:</i>	-40/+90°C
Burning characteristics:	CSA FT1 and FT2
Oil resistance:	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1, Oil 60°C acc. to UL 758, Fuel Oil acc. to CSA-C 22.2 No. 210.2-M90
Impact and Crushing test:	in accordance to UL 1277 same requirement for Exposed Run
Machinery Area:	yes
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG				
35601803	3	0.303	7.7	56
35601804	4	0.327	8.3	67
35601805	5	0.354	9.0	79
35601807	7	0.386	9.8	98
35601809	9	0.469	11.9	130
35601812	12	0.492	12.5	153
35601816	16	0.575	14.6	208
35601818	18	0.602	15.3	224
35601819	19	0.602	15.3	237
35601825	25	0.713	18.1	302
35601827	27	0.713	18.1	314
35601837	37	0.791	20.1	417
35601850	50	0.969	24.6	583
▶ 16 AWG				
35601603	3	0.327	8.3	69
35601604	4	0.354	9.0	83
35601605	5	0.386	9.8	99
35601607	7	0.421	10.7	125
35601608	8	0.484	12.3	149
35601609	9	0.516	13.1	167

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG				
35601612	12	0.571	14.5	210
35601616	16	0.630	16.0	267
35601618	18	0.661	16.8	295
35601619	19	0.661	16.8	304
35601625	25	0.783	19.9	390
35601627	27	0.783	19.9	414
35601637	37	0.917	23.3	579
35601641	41	0.984	25.0	643
35601650	50	1.067	27.1	757
35601661	61	1.134	28.8	898
▶ 14 AWG				
35601403	3	0.362	9.2	93
35601404	4	0.394	10.0	113
35601405	5	0.429	10.9	136
35601407	7	0.469	11.9	173
35601409	9	0.606	15.4	243
35601412	12	0.634	16.1	292
35601418	18	0.740	18.8	412
35601425	25	0.925	23.5	590

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 12 AWG				
35601203	3	0.413	10.5	130
35601204	4	0.449	11.4	160
35601205	5	0.492	12.5	194
35601207	7	0.567	14.4	265
▶ 10 AWG				
35601003	3	0.488	12.4	188
35601004	4	0.559	14.2	246
35601005	5	0.614	15.6	298
35601007	7	0.669	17.0	385
▶ 8 AWG				
35600804	4	0.713	18.1	401
35600805	5	0.783	19.9	481
▶ 6 AWG				
35600604	4	0.898	22.8	610
35600605	5	0.988	25.1	739
▶ 4 AWG				
35600404	4	1.079	27.4	915
35600405	5	1.193	30.3	1113
▶ 2 AWG				
35600204	4	1.240	31.5	1296
35600205	5	1.374	34.9	1575

Other dimensions and colors are possible on request.