

TRAY & VFD CABLES

TR 600 CY Plus Type TC-ER, MTW and WTTC Shielded UV and oil resistant 90°C reduced O.D. flexible tray cable



Type CIC SHIELDED 90°C dry 600V FT1 FT2 FT4

Marking for TR 600 CY Plus 95561804: SAB BRÖCKSKES · D-VIERSEN · TR 600 CY Plus 18AWG/4 95561804 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTC 90°C 1000V (UL) MTW 600 V AWM Style 21179 600 V c(UL) Type CIC 90°C dry 600V FT1, FT2, FT4 CSA Type CIC Shielded 90°C dry 600V FT1, FT2, FT4

TR 600 CY Plus is a shielded multi-conductor, 600 V, 90°C, UL recognized and CSA approved, UV and oil resistant flexible tray cable. It is a reduced diameter and more flexible tray cable. It is 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). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. Our specially 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. TR 600 CY Plus tray cable is 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. TR 600 CY Plus is permitted to be used in hazardous (classified) locations Class I, Division 2 per NEC Article 501.4 (B), UL Type TC is in acc. to UL standard 1277 and NEC Article 336 (392, 501). Wind turbine power and control cable is intended to be installed in cable trays or raceways within a wind turbine generator. MTW listed cables can be used in NFPA 79 Machine areas.

Construction:

Conductor:	bare copper finely stranded, class 5
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Screen:	double screen, alu-foil, tinned copper braiding
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black

Outstanding features:

- improved flexibility
- flexible cable for cable tray use even where sunlight resistance and open wiring is required
- NFPA 79 for Industrial Machinery
- WTTC: UL subject 2277
- TC: UL standard 1277
- (UL)/(cUL) listed

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC / CSA-AWM: 1000 V	
Testing voltage:	6000 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:	UL-AWM: up to +105°C	(UL) / c(UL) / CSA-AWM: up to +90°C
<i>static:</i>	-25°C	
Burning characteristics:	(UL) FT4 and c(UL) FT1, FT2, FT4 and CSA FT1, FT2	
Oil resistance I:	yes	
Sunlight resistance:	yes	
Exposed Runs:	yes	
Direct Burial:	yes	
Machinery Area:	yes	
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
▶ 18 AWG				
95561803	3	0.299	7.6	58
95561804	4	0.323	8.2	67
95561805	5	0.346	8.8	79
95561807	7	0.374	9.5	97
95561809	9	0.461	11.7	138
95561812	12	0.484	12.3	159
95561816	16	0.563	14.3	214
95561818	18	0.598	15.2	247
95561819	19	0.598	15.2	252
95561825	25	0.701	17.8	323
95561827	27	0.701	17.8	339
95561837	37	0.776	19.7	431
95561850	50	0.941	23.9	603
▶ 16 AWG				
95561603	3	0.319	8.1	68
95561604	4	0.346	8.8	83
95561605	5	0.374	9.5	98
95561607	7	0.402	10.2	122
95561608	8	0.469	11.9	155
95561609	9	0.500	12.7	172
95561612	12	0.555	14.1	217
95561616	16	0.618	15.7	286

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG				
95561618	18	0.646	16.4	312
95561619	19	0.646	16.4	320
95561625	25	0.760	19.3	411
95561627	27	0.760	19.3	433
95561637	37	0.882	22.4	592
95561641	41	0.941	23.9	661
95561650	50	1.024	26.0	769
95561661	61	1.079	27.4	898
▶ 14 AWG				
95561403	3	0.354	9.0	88
95561404	4	0.382	9.7	110
95561405	5	0.425	10.8	139
95561407	7	0.492	12.5	182
95561409	9	0.598	15.2	258
95561412	12	0.630	16.0	307
95561418	18	0.724	18.4	424
95561425	25	0.898	22.8	599
▶ 12 AWG				
95561203	3	0.406	10.3	120
95561204	4	0.449	11.4	159
95561205	5	0.488	12.4	189
95561207	7	0.610	15.5	286

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 10 AWG				
95561003	3	0.484	12.3	181
95561004	4	0.559	14.2	244
95561005	5	0.618	15.7	308
95561007	7	0.720	18.3	409
▶ 8 AWG				
95560804	4	0.717	18.2	393
95560805	5	0.783	19.9	474
▶ 6 AWG				
95560604	4	0.886	22.5	595
95560605	5	0.972	24.7	726
▶ 4 AWG				
95560404	4	1.063	27.0	878
95560405	5	1.173	29.8	1076
▶ 2 AWG				
95560204	4	1.224	31.1	1235
95560205	5	1.354	34.4	1509

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