

TRAY & VFD CABLES

TR 600 Plus

Type TC-ER, MTW and WTTC

UV and oil resistant 90°C reduced O.D. flexible tray cable



600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4

Marking for TR 600 Plus 95551804: SAB BRÖCKSKES · D-VIERSEN · TR 600 Plus 18AWG/4 95551804 (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 AWM I/II A/B 90°C 1000V FT1, FT2 CE

TR 600 Plus is a 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 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 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
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>	4 x O.D.	
<i>free movement:</i>	5 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				
95551803	3	0.280	7.1	50
95551804	4	0.303	7.7	60
95551805	5	0.327	8.3	71
95551807	7	0.354	9.0	88
95551809	9	0.433	11.0	117
95551812	12	0.457	11.6	137
95551816	16	0.504	12.8	175
95551818	18	0.563	14.3	210
95551819	19	0.563	14.3	216
95551825	25	0.661	16.8	275
95551827	27	0.665	16.9	292
95551837	37	0.740	18.8	380
95551850	50	0.906	23.0	533
➤ 16 AWG				
95551603	3	0.299	7.6	62
95551604	4	0.327	8.3	76
95551605	5	0.354	9.0	90
95551607	7	0.382	9.7	113
95551608	8	0.441	11.2	134
95551609	9	0.472	12.0	151
95551612	12	0.496	12.6	179
95551616	16	0.583	14.8	246
95551618	18	0.610	15.5	272

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 16 AWG				
95551619	19	0.610	15.5	283
95551625	25	0.724	18.4	359
95551627	27	0.724	18.4	382
95551637	37	0.846	21.5	535
95551641	41	0.906	23.0	595
95551650	50	0.988	25.1	699
95551661	61	1.043	26.5	827
➤ 14 AWG				
95551403	3	0.335	8.5	84
95551404	4	0.362	9.2	103
95551405	5	0.398	10.1	123
95551407	7	0.465	11.8	164
95551409	9	0.563	14.3	225
95551412	12	0.594	15.1	269
95551418	18	0.689	17.5	381
95551425	25	0.862	21.9	542
➤ 12 AWG				
95551203	3	0.386	9.8	117
95551204	4	0.421	10.7	145
95551205	5	0.461	11.7	175
95551207	7	0.575	14.6	251

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 10 AWG				
95551003	3	0.457	11.6	174
95551004	4	0.500	12.7	218
95551005	5	0.583	14.8	280
95551007	7	0.685	17.4	374
➤ 8 AWG				
95550804	4	0.681	17.3	374
95550805	5	0.748	19.0	451
➤ 6 AWG				
95550604	4	0.811	20.6	549
95550605	5	0.937	23.8	703
➤ 4 AWG				
95550404	4	1.028	26.1	884
95550405	5	1.138	28.9	1074
➤ 2 AWG				
95550204	4	1.189	30.2	1266
95550205	5	1.319	33.5	1533

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