

TRAY CABLES

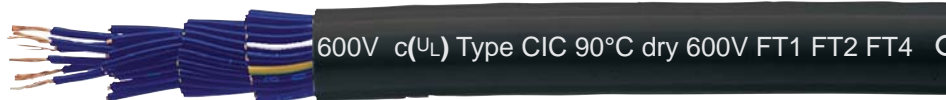


High-flex
NFPA 79 for
Industrial Machinery

TR 600 Auto blue

Type TC,
MTW and
WTTTC

UV and oil
resistant 90°C flexible tray cable
and machine-tool cable which
could be used in cable track



Marking for TR 600 Auto blue 32101625:

SAB BRÖCKSKES · D-VIERSEN · TR 600 Auto blue 16 AWG/25c 32101625 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) WTTTC 90°C 1000V (UL) MTW 16 AWG/25c 600V flexing AWM Style 21179 600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CE

TR 600 blue is a multi-conductor, 600 V, 90°C, UL recognized, UV and oil resistant flexible tray 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). 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 blue 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 blue 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 strands acc. to IEC 60228 class 6
Insulation:	special formulated PVC/Nylon
Color code:	blue conductors with numbers; white-blue ground wire and green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTTC: 1000 V	
Testing voltage:	4000 V	
Min. bending radius fixed installation:	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
free movement:	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
continuous flexing:	12 x O.D.	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature:	UL-AWM: up to +105°C	(UL) / c(UL): up to +90°C
static:	-25°C	
Burning characteristics:	(UL) FT4 and c(UL) FT1, FT2, FT4	
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 N/25	

Outstanding features:

- Flexible cable for cable tray use even where sunlight resistance and open wiring is required
- NFPA 79 for Industrial Machinery
- New improved with WTTTC
- WTTTC: UL Subject 2277
- TC: UL Standard 1277
- (UL)(cUL) listed

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 18 AWG				
32101803	3	0.303	7.7	56
32101804	4	0.327	8.3	67
32101805	5	0.354	9.0	84
32101807	7	0.413	10.5	111
32101809	9	0.469	11.9	141
32101812	12	0.492	12.5	156
32101816	16	0.575	14.6	212
32101818	18	0.602	15.3	235
32101819	19	0.630	16.0	253
32101825	25	0.713	18.1	309
➤ 16 AWG				
32101603	3	0.327	8.3	71
32101604	4	0.354	9.0	87
32101605	5	0.386	9.8	101
32101607	7	0.453	11.5	142
32101608	8	0.484	12.3	163
32101609	9	0.516	13.1	181
32101612	12	0.571	14.5	218
32101616	16	0.630	16.0	276
32101618	18	0.661	16.8	304
32101619	19	0.693	17.6	329
32101625	25	0.783	19.9	406

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 14 AWG				
32101403	3	0.390	9.9	103
32101404	4	0.421	10.7	124
32101405	5	0.461	11.7	155
32101407	7	0.571	14.5	224
32101409	9	0.650	16.5	290
32101412	12	0.685	17.4	322
32101418	18	0.799	20.3	464
32101425	25	0.996	25.3	649
➤ 12 AWG				
32101203	3	0.425	10.8	140
32101204	4	0.465	11.8	173
32101205	5	0.539	13.7	220
32101207	7	0.630	16.0	288

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 10 AWG				
32101003	3	0.524	13.3	199
32101004	4	0.571	14.5	246
32101005	5	0.626	15.9	302
32101007	7	0.736	18.7	392
➤ 8 AWG				
32100804	4	0.736	18.7	429
32100805	5	0.811	20.6	530
➤ 6 AWG				
32100604	4	0.898	22.8	616
32100605	5	0.988	25.1	737
➤ 4 AWG				
32100404	4	1.098	27.9	972
32100405	5	1.217	30.9	1116
➤ 2 AWG				
32100204	4	1.268	32.2	1308
32100205	5	1.406	35.7	1592

Other dimensions and colors are possible on request.

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