

Tray Cables

TR 600 blue Type TC, MTW and WTTC

UV and oil resistant, flexible Tray Cable and Machine-Tool Cable with blue cores

WTTC
approval

NFPA 79
for industrial machinery

179 600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CE



Marking example:

SAB BRÖCKSKES · D-VIERSEN · TR 600 blue 16 AWG/12c 02861612 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant,

Direct Burial, FT4 (UL) WTTC 90°C 1000V (UL) MTW 16 AWG/37c 600V flexing AWM Style 21179 600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CE

Construction:

Conductor:	bare copper strands with reference to IEC 60228, VDE 0295 class 5 + UL standard 758 table 5.1 + UL 1581 table 20.1
Insulation:	special formulated PVC/Nylon
Colour code:	blue cores with numbers, white-blue ground wire and green-yellow earth wire from 3 cores
Stranding:	in layers
Sheath material:	special sunlight and oil resistant PVC
Sheath colour:	black (RAL 9005)

Technical data:

Voltage	600 V
UL-AWM / (UL) / c(UL):	1000 V
(UL) WTTC / CSA-AWM:	
Testing voltage:	AWG 18-10 = 6000 V AWG 8-2 = 7500 V
Min. bending radius:	
<i>fixed laying:</i>	< 12 mm = 3 x d > 12 mm = 4 x d
<i>flexible application:</i>	< 12 mm = 5 x d > 12 mm = 6 x d
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature:	UL-AWM: (UL) / c(UL): up to +105 °C up to +90 °C <i>fixed laying:</i> -25 °C
Burning characteristics:	(UL) FT4 + c(UL) FT1, FT2, FT4 + 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 chapter N „Technical data“

Outstanding features:

- » Flexible cable for cable tray use
- » Oil resistance
- » Sunlight resistance
- » NFPA 79 for industrial machinery
- » WTTC approval
- » WTTC: UL Subject 2277
- » TC: UL Standard 1277
- » UL recognized, (UL)/c(UL) listed

item no.	no. of cores x cross section n x AWG	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
02861803	3 x 18	0,21	7,7	28,8	83
02861804	4 x 18	0,21	8,3	38,4	99
02861805	5 x 18	0,21	9,0	48,0	118
02861807	7 x 18	0,21	9,8	67,2	146
02861809	9 x 18	0,21	11,9	86,4	194
02861812	12 x 18	0,21	12,5	115,2	227
02861816	16 x 18	0,21	14,6	153,6	310
02861818	18 x 18	0,21	15,3	172,8	343
02861819	19 x 18	0,21	15,3	182,4	352
02861825	25 x 18	0,21	18,1	240,0	450
02861827	27 x 18	0,21	18,1	259,2	476
02861837	37 x 18	0,21	20,1	355,2	620
02861850	50 x 18	0,21	24,6	480,0	868
02861603	3 x 16	0,26	8,3	43,2	103
02861604	4 x 16	0,26	9,0	57,6	123
02861605	5 x 16	0,26	9,8	72,0	148
02861607	7 x 16	0,26	10,7	100,8	186
02861608	8 x 16	0,26	12,3	115,2	222
02861609	9 x 16	0,26	13,1	129,6	248
02861612	12 x 16	0,26	14,5	172,8	313
02861616	16 x 16	0,26	16,0	230,4	397
02861618	18 x 16	0,26	16,8	259,2	439
02861619	19 x 16	0,26	16,8	273,6	453
02861625	25 x 16	0,26	19,9	360,0	581
02861627	27 x 16	0,26	19,9	388,8	616
02861637	37 x 16	0,26	23,3	532,8	862
02861641	41 x 16	0,26	25,0	590,4	957

item no.	no. of cores x cross section n x AWG	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
02861650	50 x 16	0,26	27,1	720,0	1126
02861661	61 x 16	0,26	28,8	878,4	1336
02861403	3 x 14	0,26	9,2	72,0	138
02861404	4 x 14	0,26	10,0	96,0	168
02861405	5 x 14	0,26	10,9	120,0	202
02861407	7 x 14	0,26	11,9	168,0	258
02861409	9 x 14	0,26	15,4	216,0	362
02861412	12 x 14	0,26	16,1	288,0	434
02861418	18 x 14	0,26	18,8	432,0	613
02861425	25 x 14	0,26	23,5	600,0	878
02861203	3 x 12	0,31	10,5	115,2	194
02861204	4 x 12	0,31	11,4	153,6	238
02861205	5 x 12	0,31	12,5	192,0	289
02861207	7 x 12	0,31	14,4	268,8	394
02861003	3 x 10	0,31	12,4	172,8	279
02861004	4 x 10	0,31	14,2	230,4	366
02861005	5 x 10	0,31	15,6	288,0	443
02861007	7 x 10	0,31	17,0	403,2	573
02860804	4 x 8	0,41	18,1	337,9	579
02860805	5 x 8	0,41	19,9	422,4	716
02860604	4 x 6	0,41	22,8	541,4	908
02860605	5 x 6	0,41	25,1	676,8	1099
02860404	4 x 4	0,41	27,4	844,8	1361
02860405	5 x 4	0,41	30,3	1056,0	1656
02860204	4 x 2	0,41	31,5	1305,6	1928
02860205	5 x 2	0,41	34,9	1632,0	2344

Other dimensions and colours are possible on request.