

## TR 600 black Type TC, MTW and W TTC

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



Marking for TR 600 black 02841637:  
 SAB BRÖCKSKES · D-VIERSEN · TR 600 black 16 AWG/37c 02841637 TFFN (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) W TTC 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 CSA AWM I/II A/B 90°C 1000V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands with reference to IEC 60228 class 5 + UL standard 758 table 5.1 + UL 1581 table 20.1
<b>Insulation:</b>	special formulated PVC/Nylon
<b>Color code:</b>	black cores with consecutive white numbers; green-yellow earth wire from 3 cores
<b>Stranding:</b>	in layers
<b>Sheath material:</b>	special sunlight and oil resistant PVC
<b>Sheath color:</b>	black (RAL 9005)

### Technical data:

<b>Voltage:</b>	UL-AWM / (UL) / c(UL): 600 V (UL) W TTC / CSA-AWM: 1000 V	
<b>Testing voltage:</b>	4000 V	
<b>Min. bending radius</b> <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	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature:</b>	UL-AWM: up to +105°C -25°C	(UL) / c(UL) / CSA-AWM: up to +90°C
<i>fixed laying:</i>		
<b>Burning characteristics:</b>	(UL) FT4 + c(UL) FT1, FT2, FT4 + CSA FT1, FT2	
<b>Oil resistance I:</b>	yes	
<b>Sunlight resistance:</b>	yes	
<b>Exposed Runs:</b>	yes	
<b>Direct Burial:</b>	yes	
<b>Machinery Area:</b>	yes	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

### Outstanding features:

- Flexible cable for cable tray use
- Oil resistance
- Sunlight resistance
- NFPA 79 for industrial machinery
- W TTC approval
- W TTC: UL Subject 2277
- TC: UL Standard 1277
- (UL)/(cUL) listed
- EAC approval

item no.	no. of cores x cross section n x AWG	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
02841803	3 x 18	0,21	7,7	28,8	83
02841804	4 x 18	0,21	8,3	38,4	99
02841805	5 x 18	0,21	9,0	48,0	118
02841807	7 x 18	0,21	9,8	67,2	146
02841809	9 x 18	0,21	11,9	86,4	194
02841812	12 x 18	0,21	12,5	115,2	227
02841816	16 x 18	0,21	14,6	153,6	310
02841818	18 x 18	0,21	15,3	172,8	343
02841819	19 x 18	0,21	15,3	182,4	352
02841825	25 x 18	0,21	18,1	240,0	450
02841827	27 x 18	0,21	18,1	259,2	476
02841837	37 x 18	0,21	20,1	355,2	620
02841850	50 x 18	0,21	24,6	480,0	868
02841603	3 x 16	0,26	8,3	43,2	103
02841604	4 x 16	0,26	9,0	57,6	123
02841605	5 x 16	0,26	9,8	72,0	148
02841607	7 x 16	0,26	10,7	100,8	186
02841608	8 x 16	0,26	12,3	115,2	222
02841609	9 x 16	0,26	13,1	129,6	248
02841612	12 x 16	0,26	14,5	172,8	313
02841616	16 x 16	0,26	16,0	230,4	397
02841618	18 x 16	0,26	16,8	259,2	439
02841619	19 x 16	0,26	16,8	273,6	453
02841625	25 x 16	0,26	19,9	360,0	581
02841627	27 x 16	0,26	19,9	388,8	616
02841637	37 x 16	0,26	23,3	532,8	862
02841641	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 ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
02841650	50 x 16	0,26	27,1	720,0	1126
02841661	61 x 16	0,26	28,8	878,4	1336
02841403	3 x 14	0,26	9,2	72,0	138
02841404	4 x 14	0,26	10,0	96,0	168
02841405	5 x 14	0,26	10,9	120,0	202
02841407	7 x 14	0,26	11,9	168,0	258
02841409	9 x 14	0,26	15,4	216,0	362
02841412	12 x 14	0,26	16,1	288,0	434
02841418	18 x 14	0,26	18,8	432,0	613
02841425	25 x 14	0,26	23,5	600,0	878
02841203	3 x 12	0,31	10,5	115,2	194
02841204	4 x 12	0,31	11,4	153,6	238
02841205	5 x 12	0,31	12,5	192,0	289
02841207	7 x 12	0,31	14,4	268,8	394
02841003	3 x 10	0,31	12,4	172,8	279
02841004	4 x 10	0,31	14,2	230,4	366
02841005	5 x 10	0,31	15,6	288,0	443
02841007	7 x 10	0,31	17,0	403,2	573
02840804	4 x 8	0,41	18,1	337,9	579
02840805	5 x 8	0,41	19,9	422,4	716
02840604	4 x 6	0,41	22,8	541,4	908
02840605	5 x 6	0,41	25,1	676,8	1099
02840404	4 x 4	0,41	27,4	844,8	1361
02840405	5 x 4	0,41	30,3	1056,0	1656
02840204	4 x 2	0,41	31,5	1305,6	1928
02840205	5 x 2	0,41	34,9	1632,0	2344

Other dimensions and colours are possible on request.