

# Tray Cables

## TR 600 CY Lean Type TC, MTW and WTTC

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

WTTC  
approval

NFPA 79  
for industrial machinery

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



Marking for TR 600 CY lean 32241612:

SAB BRÖCKSKES · D-VIERSEN · TR 600 CY Lean 16 AWG/12c 32241612 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/12c 600V flexing AWM Style 21179 600V c(UL) Type CIC SHIELDED 90°C dry 600V FT1 FT2 FT4

### Construction:

<b>Conductor:</b>	bare copper strands with reference to IEC 60228, VDE 0295 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 numbers, green-yellow earth wire from 3 cores
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding
<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): (UL) WTTC:	600 V 1000 V
<b>Testing voltage:</b>	AWG 18-10 = 6000 V AWG 8-2 = 7500 V
<b>Min. bending radius</b> <i>fixed laying:</i> <i>flexible application:</i>	5 x d 10 x d
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature:</b> <i>fixed laying:</i>	<b>UL-AWM:</b> up to +105 °C -25 °C <b>(UL) / c(UL):</b> up to +90 °C
<b>Burning characteristics:</b>	(UL) FT4 + c(UL) FT1, FT2, FT4
<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 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)/(cUL) listed

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
32241603	3 x 16	0,26	8,8	66,9	109
32241604	4 x 16	0,26	9,5	83,8	132
32241605	5 x 16	0,26	10,3	101,1	158
32241607	7 x 16	0,26	11,4	148,6	209
32241612	12 x 16	0,26	15,4	269,7	369
32241618	18 x 16	0,26	17,7	369,6	502
32241625	25 x 16	0,26	20,8	486,2	653
32241403	3 x 14	0,26	9,7	98,3	142
32241404	4 x 14	0,26	10,5	125,2	175
32241405	5 x 14	0,26	11,6	173,9	226
32241407	7 x 14	0,26	12,6	222,6	282
32241412	12 x 14	0,26	17,0	386,6	487

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
32241418	18 x 14	0,26	19,7	556,5	685
32241425	25 x 14	0,26	24,4	766,2	974
32241204	4 x 12	0,31	12,1	207,8	256
32241205	5 x 12	0,31	13,2	251,7	311
32241207	7 x 12	0,31	15,3	354,8	435
32241004	4 x 10	0,31	15,1	316,3	405
32241005	5 x 10	0,31	16,5	386,0	490
32241007	7 x 10	0,31	17,9	513,9	617
32240804	4 x 8	0,41	19,0	461,3	619
32240604	4 x 6	0,41	23,7	682,5	932
32240404	4 x 4	0,41	28,3	1020,7	1359
32240204	4 x 2	0,41	32,4	1511,3	1875

Other dimensions and colours are possible on request.