

# Tray Cables

## TR 249 Type TC and ST00W

UV and oil resistant, flexible Tray Cable with flexible Cord

**NFPA 79**  
for industrial machinery



Marking example:

SAB BRÖCKSKES · D-VIERSEN · TR 249 12 AWG/4c 08491004 THW-2 (UL) Type TC-ER 90°C 600V, Oil Resistant I, Sunlight Resistant, Direct Burial, FT4 (UL) ST00W 90°C 600V Oil Resistant I AWM Style 21179 600V c(UL) Type CIC 90°C dry 600V FT1 FT2 FT4 CE

### 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
<b>Colour code:</b>	acc. to colour code US 2, see chapter N „Technical data“
<b>Stranding:</b>	in layers
<b>Sheath material:</b>	special sunlight and oil resistant PVC
<b>Sheath colour:</b>	black (RAL 9005)

### Outstanding features:

- » Flexible cable for cable tray use
- » NFPA 79 for industrial machinery
- » UL recognized, (UL)/c(UL) listed

### Technical data:

<b>Voltage (UL) / c(UL):</b>	600 V
<b>Testing voltage:</b>	AWG 18-10 = 3000 V AWG 8-2 = 3500 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>Temperature:</b>	UL-AWM: up to +105 °C (UL) / c(UL): 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“

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
08491806	6 x 18	0,21	13,0	57,6	230
08491807	7 x 18	0,21	13,0	67,2	260
08491808	8 x 18	0,21	14,6	76,8	300
08491603	3 x 16	0,26	10,0	43,2	145
08491203	3 x 12	0,26	15,8	115,2	339
08491204	4 x 12	0,26	17,0	153,6	405

Other dimensions and colours are possible on request.