

# 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:

**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

**Colour code:** acc. to colour code US 2, see chapter N „Technical data“

**Stranding:** in layers

**Sheath material:** special sunlight and oil resistant PVC

**Sheath colour:** black (RAL 9005)

### Technical data:

**Voltage (UL) / c(UL):** 600 V

**Testing voltage:** AWG 18-10 = 3000 V  
AWG 8-2 = 3500 V

**Min. bending radius:**  
*fixed laying:* < 12 mm = 3 x d  
> 12 mm = 4 x d

*flexible application:* < 12 mm = 5 x d  
> 12 mm = 6 x d

**Temperature:** UL-AWM: (UL) / c(UL):  
up to +105 °C up to +90 °C

**Burning characteristics:** (UL) FT4 + 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 chapter N „Technical data“

### Outstanding features:

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

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.