

# Tray Cables

## TR 600 C HD

Shielded heavy duty tray cable  
Type TC-ER



600V FT4 CSA AWM I/II AB SOC 90C 600V FT4 RoHS



Marking for TR 600 C HD 32401604:

SAB NORTH AMERICA TR 600 C HD 16 AWG 4c P/N 32401604 (UL) TC-ER 90C DRY 75C WET 600V OIL RES I/II SUN RES DIR BUR OR WTTC 1000V OR AWM 21270 105C 600V OR c(UL) CIC-TC PVC/N 600V FT4 CSA AWM I/II A/B 90C 600V FT4 RoHS CE

### Construction:

<b>Conductor:</b>	bare copper strands class K
<b>Insulation:</b>	special formulated PVC/Nylon
<b>Color code:</b>	black with numerical print* and one green/yellow earth ground** *Alpha-Numeric Alternate and Inverted, ie: 1-ONE
<b>Stranding:</b>	in layers
<b>Inner jacket:</b>	PVC, color black
<b>Shielding:</b>	tinned copper braiding, 85% coverage
<b>Jacket material:</b>	TPE
<b>Jacket color:</b>	orange

### Technical data:

<b>Voltage:</b>	<b>UL-AWM / (UL) / c(UL):</b> 600 V <b>(UL) WTTC:</b> 1000 V
<b>Testing voltage:</b>	2500 V
<b>Min. bending radius:</b>	7.5 x O.D.
<b>Temperature range:</b>	<b>UL-AWM</b> up to +105°C <b>(UL) / c(UL) / CSA-AWM:</b> up to +90°C -40°C
<b>Burning characteristics:</b>	(UL) FT4 and c(UL) FT1, FT2, FT4
<b>Oil resistance I &amp; II:</b>	yes
<b>Exposed runs:</b>	yes
<b>Cold bend test:</b>	-40°C
<b>Approvals:</b>	UL TC-ER, UL WTTC, UR AWM, c(UL) CIC-TC, CSA AWM, CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30
<b>Alt. Color code:</b>	** Add B at the end of Part No. for Blue conductors: blue conductors with numbers; one white-blue conductor and green/yellow ground  ** Add R at the end of Part No. for Red conductors: red conductors with numbers; one white-red conductor and green/yellow ground

### Outstanding features:

- heavy duty tray cable and control and instrumentation cable
- UL-AWM recognized for 105°C
- extremely oil resistant
- WTTC: UL subject 2277
- TC: UL standard 1277
- CSA listed
- NFPA 79 for Industrial Machinery
- c(UL) CIC-TC FT4
- Class 1 Div 2 per NEC Article 501.4 (B)

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 18 AWG</b>				
32401803	3	0.385	9.8	99
32401804	4	0.408	10.4	113
32401805	5	0.433	11.0	126
32401807	7	0.460	11.7	151
32401812	12	0.599	15.2	250
32401818	18	0.700	17.8	352
32401825	25	0.783	19.9	449
<b>▶ 16 AWG</b>				
32401603	3	0.406	10.3	112
32401604	4	0.413	10.5	107
32401605	5	0.460	11.7	154
32401607	7	0.490	12.4	182
32401612	12	0.640	16.3	301
32401618	18	0.750	19.0	425
32401625	25	0.882	22.4	569

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 14 AWG</b>				
32401403	3	0.450	11.4	138
32401404	4	0.480	12.2	149
32401407	7	0.584	14.8	257
<b>▶ 12 AWG</b>				
32401204	4	0.523	13.3	217
32401205	5	0.597	15.2	272
<b>▶ 10 AWG</b>				
32401004	4	0.698	17.7	366
<b>▶ 8 AWG</b>				
32400804	4	0.930	23.6	579
<b>▶ 6 AWG</b>				
32400604	4	1.023	26.0	793

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 4 AWG</b>				
32400404	4	1.204	30.6	1157
<b>▶ 2 AWG</b>				
32400204	4	1.382	35.1	1579
<b>▶ 1 AWG</b>				
32400104	4	1.548	39.3	2815

Other dimensions and colors are available on request



### Possible on request:

- with gray or black jacket as well as blue or red conductors

\* For blue conductors add B at end of P/N, for red add an R, ie 32401404B

