

# Tray & VFD Cables

## TR 600 Auto HD

Continuous flex heavy duty tray cable  
Type TC-ER



600V FT4 CSA AWM I/II A/B 90C 600V FT4 RoHS CE



Marking for TR 600 Auto HD 32321604:

SAB NORTH AMERICA TR 600 Auto HD 16AWG/4c P/N 32321604 (UL) TC-ER 90C DRY 75 C 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 M
<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 with fleece tape separator
<b>Jacket material:</b>	TPE
<b>Jacket color:</b>	black (RAL 9005)

### 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>	<i>fixed installation:</i> 4 x O.D. <i>free movement:</i> 6 x O.D. <i>continuous flexing:</i> 10 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 <i>static:</i> -40°C
<b>Cold bend test:</b>	-40°C
<b>Burning characteristics:</b>	(UL) Vertical Tray Flame and c(UL) FT1, FT2, FT4
<b>Oil resistance I &amp; II:</b>	yes
<b>Exposed runs:</b>	yes
<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

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### Outstanding features:

- heavy duty tray cable and control and instrumentation cable
- UL-AWM 21270 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
- continuous flex applications
- 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>				
32321803	3	0.302	7.7	48
32321804	4	0.325	8.3	58
32321805	5	0.350	8.9	75
32321807	7	0.405	10.3	94
32321812	12	0.480	12.2	134
32321818	18	0.589	15.0	214
32321825	25	0.714	18.1	307
<b>▶ 16 AWG</b>				
32321603	3	0.336	8.5	63
32321604	4	0.364	9.2	77
32321605	5	0.394	10.0	98
32321607	7	0.458	11.6	125
32321612	12	0.580	14.7	204
32321618	18	0.669	17.0	300
32321625	25	0.819	20.8	423

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 14 AWG</b>				
32321403	3	0.361	9.2	82
32321404	4	0.391	9.9	102
32321405	5	0.423	10.7	125
32321407	7	0.495	12.6	169
32321412	12	0.625	15.9	282
<b>▶ 12 AWG</b>				
32321203	3	0.420	10.7	115
32321204	4	0.458	11.6	145
32321205	5	0.499	12.7	189
32321207	7	0.621	15.8	264
32321212	12	0.742	18.8	398
<b>▶ 10 AWG</b>				
32321003	3	0.506	12.9	179
32321004	4	0.590	15.0	248
32321005	5	0.642	16.3	298

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 8 AWG</b>				
32320804	4	0.756	19.2	385
32320805	5	0.826	21.0	465
<b>▶ 6 AWG</b>				
32320603	3	0.767	19.5	426
32320604	4	0.879	22.3	580
<b>▶ 4 AWG</b>				
32320404	4	1.061	26.9	845
32320405	5	1.177	29.9	1035
<b>▶ 2 AWG</b>				
32320204	4	1.235	31.4	1278
32320205	5	1.363	34.6	1575

Other dimensions and colors are available on request



### Possible on request:

- with gray jacket as well as blue or red conductors

\* For blue conductors add B at end of P/N, for red add an R, ie 32321404B

