

Tray & VFD Cables

TR 600 Auto C HD

Shielded continuous flex heavy duty tray cable
Type TC-ER



Marking for TR 600 Auto C HD 32421604:

SAB NORTH AMERICA TR 600 Auto HD 16AWG/4c P/N 32421604 (UL) TC-ER 90C DRY 75 C WET 600V OIL RES I/II SUN RES DIR BUR OR WTTTC 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:

Conductor:	bare copper strands class M
Insulation:	special formulated PVC/Nylon
Color code:	black with numerical print* and one green/yellow earth ground** *Alpha-Numeric Alternate and Inverted, ie: 1-ONE
Stranding:	in layers
Wrapping:	fleece binder
Shielding:	tinned copper braiding (85% coverage)
Separator:	tissue tape
Jacket material:	TPE
Jacket color:	black (RAL 9005)

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTTC: 1000 V
Testing voltage:	2500 V
Min. bending radius:	<i>fixed installation:</i> 5 x O.D. <i>free movement:</i> 10 x O.D. <i>continuous flexing:</i> 12 x O.D.
Temperature range:	UL-AWM up to +105°C (UL) / c(UL) / CSA-AWM: up to +90°C <i>static:</i> -40°C
Cold bend test:	-40°C
Burning characteristics:	(UL) Vertical Tray Flame and c(UL) FT1, FT2, FT4
Oil resistance I & II:	yes
Exposed runs:	yes
Approvals:	UL TC-ER, UL WTTTC, UR AWM, c(UL) CIC-TC, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30
Alt. Color code:	** 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 21270 recognized for 105°C
- extremely oil resistant
- WTTTC: 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	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 18 AWG				
32421803	3	0.322	8.2	45
32421804	4	0.345	8.8	85
32421807	7	0.425	10.8	120
32421812	12	0.500	12.7	185
32421818	18	0.609	15.5	260
32421825	25	0.714	18.1	307
▶ 16 AWG				
32421603	3	0.356	9.0	78
32421604	4	0.384	9.8	100
32421605	5	0.414	10.5	127
32421607	7	0.478	12.1	145
32421612	12	0.600	15.2	245
32421618	18	0.669	17.0	337
32421625	25	0.883	22.4	541

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 14 AWG				
32421403	3	0.381	9.7	108
32421404	4	0.411	10.4	123
32421405	5	0.443	11.3	147
32421407	7	0.515	13.1	185
▶ 12 AWG				
32421204	4	0.478	12.1	178
32421205	5	0.519	13.2	210
32421207	7	0.586	14.9	272
▶ 10 AWG				
32421004	4	0.613	15.6	280
32421005	5	0.673	17.1	350
▶ 8 AWG				
32420804	4	0.785	19.9	450

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 6 AWG				
32420604	4	0.914	23.2	630
▶ 4 AWG				
32420404	4	1.094	27.8	945
▶ 2 AWG				
32420204	4	1.264	32.1	1450

Other dimensions and colors are available on request



Possible on request:

- with blue or red conductors

* For blue conductors add B at end of P/N, for red add an R, ie 32421404B

