

Tray Cables

TR 600 HD

Heavy duty tray cable
Type TC-ER



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



Marking for TR 600 HD 32301604:

SAB NORTH AMERICA TR 600 HD 16 AWG 4c P/N 32301604 (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:

Conductor:	bare copper strands class K
Insulation:	special formulated PVC/Nylon
Color code:	black with numerical print* and one green/yellow ground** *Alpha-Numeric Alternate and Inverted, ie: 1-One
Stranding:	in layers
Jacket material:	TPE
Jacket color:	orange

Technical data:

Voltage:	UL-AWM / UL / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	2500 V
Min. bending radius:	7.5 x O.D.
Temperature range:	UL-AWM (UL) / c(UL) / CSA-AWM: up to +105°C up to +90°C -40°C
<i>static:</i>	
Burning characteristics:	(UL) FT4 and c(UL) FT1, FT2, FT4
Oil resistance I & II:	yes
Exposed runs:	yes
Cold bend test:	-40°C
Approvals:	UL TC-ER, UL WTTC, 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

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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
▶ 18 AWG				
32301803	3	0.300	7.6	55
32301804	4	0.324	8.2	67
32301805	5	0.349	8.9	79
32301807	7	0.376	9.6	100
32301812	12	0.480	12.2	157
32301818	18	0.596	15.1	244
32301825	25	0.685	17.4	319
▶ 16 AWG				
32301603	3	0.321	8.2	70
32301604	4	0.348	8.8	81
32301605	5	0.376	9.6	96
32301607	7	0.412	10.5	166
32301612	12	0.527	13.4	196
32301618	18	0.646	16.4	300
32301625	25	0.746	18.9	395

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 14 AWG				
32301403	3	0.364	9.2	88
32301404	4	0.396	10.1	92
32301405	5	0.434	11.0	130
32301407	7	0.472	12.0	169
32301412	12	0.644	16.4	297
▶ 12 AWG				
32301203	3	0.403	10.2	120
32301204	4	0.440	11.2	150
32301205	5	0.479	12.2	182
32301207	7	0.526	13.4	240
32301212	12	0.719	18.3	420
▶ 10 AWG				
32301003	3	0.506	12.9	179
32301004	4	0.590	15.0	248
32301005	5	0.642	16.3	298

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 8 AWG				
32300804	4	0.756	19.2	385
32300805	5	0.826	21.0	465
▶ 6 AWG				
32300603	3	0.767	19.5	426
32300604	4	0.878	22.3	580
▶ 4 AWG				
32300404	4	1.061	26.9	845
32300405	5	1.179	29.9	1035
▶ 2 AWG				
32300204	4	1.235	31.4	1278
32300205	5	1.363	34.6	1575
▶ 1 AWG				
32300104	4	1.403	35.6	1605

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 32301404B

