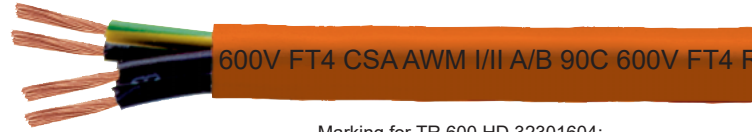


# TRAY & VFD CABLES

## TR 600 HD Type TC-ER Heavy duty tray cable



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 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

TR 600 HD is a severe duty motor supply cable for use in applications that require tray cable ratings, flexibility, chemical resistance and extreme oil resistance. This cable can be used without conduit (exposed runs). TR 600 HD is permitted to be used in hazardous (classified) locations Class I, Division 2 per NEC Article 501.4 (B), UL Type TC is in acc. to UL standard 1277 and NEC Article 336. Wind turbine power and control cable is intended to be installed in cable trays or raceways within a wind turbine generator.

### 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 wire** *Alpha-Numeric Alternate and Inverted, ie: 1-ONE
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	TPE
<b>Jacket color:</b>	orange (also available in gray or black)

### Outstanding features:

- heavy duty tray cable and control and instrumentation cable
- UL-AWM 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

### Technical data:

<b>Voltage:</b>	UL-AWM / (UL) / c(UL): 600 V (UL) WTTTC: 1000 V	
<b>Testing voltage:</b>	2000 V	
<b>Min. bending radius:</b>	7.5 x O.D.	
<b>Temperature:</b>	<b>UL-AWM:</b> up to +105°C	<b>(UL) / c(UL)/ CSA-AWM:</b> up to +90°C
<b>static:</b>	-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>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 with numbers; one white-blue conductor and green-yellow earth wire  ** Add R at the end of Part No. for red conductors with numbers; one white-red conductor and green-yellow earth wire	

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Available with gray or black jacket as well as blue and red conductors.

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>➤ 18 AWG</b>					<b>➤ 14 AWG</b>					<b>➤ 8 AWG</b>				
32301803	3	0.300	7.6	55	32301403	3	0.364	9.2	88	32300804	4	0.756	19.2	385
32301804	4	0.324	8.2	67	32301404	4	0.396	10.1	92	32300805	5	0.826	21.0	465
32301805	5	0.349	8.9	79	32301405	5	0.434	11.0	130	<b>➤ 6 AWG</b>				
32301807	7	0.376	9.6	100	32301407	7	0.472	12.0	169	32300603	3	0.767	19.5	426
32301812	12	0.480	12.2	157	32301412	12	0.644	16.4	297	32300604	4	0.879	22.3	580
32301818	18	0.596	15.1	244	<b>➤ 12 AWG</b>					<b>➤ 4 AWG</b>				
32301825	25	0.686	17.4	319	32301203	3	0.403	10.2	120	32300404	4	1.061	26.9	845
<b>➤ 16 AWG</b>					32301204	4	0.440	11.2	150	32300405	5	1.179	29.9	1035
32301603	3	0.321	8.2	70	32301205	5	0.479	12.2	182	<b>➤ 2 AWG</b>				
32301604	4	0.348	8.8	81	32301207	7	0.526	13.4	240	32300204	4	1.235	31.4	1278
32301605	5	0.376	9.6	96	32301212	12	0.719	18.3	420	32300205	5	1.363	34.6	1575
32301607	7	0.412	10.5	166	<b>➤ 10 AWG</b>					<b>➤ 1 AWG</b>				
32301612	12	0.527	13.4	196	32301003	3	0.506	12.9	179	32300104	4	1.403	35.6	1605
32301618	18	0.646	16.4	300	32301004	4	0.590	15.0	248	Other dimensions and colors are possible on request.				
32301625	25	0.746	18.9	395	32301005	5	0.642	16.3	298					

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