

TRAY & VFD CABLES



TR 600 C HD Type TC-ER Shielded heavy duty tray cable

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



Marking for TR 600 C HD 32401604:

SAB North America TR 600 C HD 16 AWG/4c P/N 32401604 (UL) TC-ER 90°C 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 AB 90C 600V FT4 RoHS CE

TR 600 C HD is a shielded 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 C 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:

Conductor:	bare copper strands class K
Insulation:	special formulated PVC/Nylon
Color code:	black with numerical print* and one green/yellow earth wire** *Alpha-Numeric Alternate and Inverted, ie: 1-ONE
Stranding:	in layers
Inner jacket:	PVC, color black
Screen:	tinned copper braiding, 85% coverage
Jacket material:	TPE
Jacket color:	orange (also available in gray or black)

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTTC: 1000 V	
Testing voltage:	2000 V	
Min. bending radius:	7.5 x O.D.	
Temperature:	UL-AWM: up to +105°C -40°C	(UL) / c(UL)/ CSA-AWM: up to +90°C
static:		
Burning characteristics:	(UL) FT4 and c(UL) FT1, FT2, FT4	
Oil resistance I & II:	yes	
Exposed Runs:	yes	
Cold bend test:	-40°C	
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 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	

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

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



item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft
➤ 18 AWG 32401803 3 0.385 9.7 99 32401804 4 0.408 10.4 113 32401805 5 0.433 10.9 126 32401807 7 0.460 11.6 151 32401812 12 0.599 15.1 250 32401818 18 0.700 17.6 352 32401825 25 0.783 19.7 449					➤ 14 AWG 32401403 3 0.450 11.4 138 32401404 4 0.480 12.2 149 32401407 7 0.584 14.8 257					➤ 8 AWG 32400804 4 0.930 23.6 579				
➤ 16 AWG 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 19.1 425 32401625 25 0.882 22.4 569					➤ 12 AWG 32401204 4 0.523 13.3 217 32401205 5 0.597 15.2 272					➤ 6 AWG 32400604 4 1.023 26.0 793				
					➤ 4 AW 32400404 4 1.204 30.6 1157									
					➤ 2 AWG 32400204 4 1.382 35.1 1579									
					➤ 1 AWG 32400104 4 1.548 39.3 2815									

Other dimensions and colors are possible on request.

*For blue conductors add B at end of P/N, for red add an R. i.e. 32301404B