

TRAY & VFD CABLES



TRAY HD TPE Type TC-ER Heavy duty tray cable

T4 CSA AWM I/II A/B 90C 600V FT4 RoHS CE



Marking for TRAY HD TPE 94441842:

SAB NORTH AMERICA TRAY HD TPE 18 AWG 42c P/N 94441842 (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

TRAY HD TPE is a severe duty motor supply cable with blue conductor or red conductors for use in applications that require cables to be identified for AC or DC circuits. The TPE jacket provides excellent flexibility, chemical resistance and extreme oil resistance. This cable can be used without conduit (exposed runs). TRAY HD TPE 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:	blue with numerical print* one with white-blue conductor and one green/yellow earth wire** *Alpha-Numeric Alternate and Inverted, ie: 1-ONE
Stranding:	in layers
Jacket material:	TPE
Jacket color:	gray (also available in 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	UL) / c(UL) / CSA-AWM: up to +90°C
<i>static:</i>	-40°C	
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 black conductors with numbers; 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 black jacket as well as red conductors.

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 18 AWG				
94441803	3	0.295	7.5	55
94441805	5	0.343	8.7	79
94441807	7	0.370	9.4	100
94441811	11	0.465	11.8	149
94441812	12	0.476	12.1	157
94441819	19	0.583	14.8	247
94441825	25	0.677	17.2	319
94441833	33	0.736	18.7	391
94441842	42	0.815	20.7	498
94441849	49	0.906	23.0	607
94441865	65	1.008	25.6	675

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
➤ 16 AWG				
94441603	3	0.323	8.2	70
94441605	5	0.409	10.4	96
94441607	7	0.539	13.7	166
94441611	11	0.555	14.1	191
94441612	12	0.634	16.1	196
94441619	19	0.642	16.3	307
94441625	25	0.736	18.7	395
94441633	33	0.815	20.7	475
94441642	42	0.949	24.1	612
94441649	49	1.004	25.5	748
94441665	65	1.122	28.5	998

Other dimensions and colors are possible on request.

*For red conductors add R at end of P/N. i.e. 94441803R

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