



TRAY CABLES



TR 600 Auto HD Type WTTC Heavy Duty tray cable



Marking for TR 600 Auto HD 32321604:

SAB NORTH AMERICA TR 600 Auto HD 16AWG (1.5mm²) P/N 32321604 (UL) TC-ER 90C DRY 75 C WET 600V OIL RES I/II SUN RES DIR BUR E198605 SAB14 OR WTTC 1000V OR AWM 21270 105C 600V OR c(UL) CIC-TC PVC/N 600V FT4 LL41103 CSA AWM I/III A/B 90C 600V FT4 RoHS CE

TR 600 Auto HD is a severe duty continuous flex 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 Auto 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 acc. to DIN VDE 0295 class 6 + IEC 60228 class 6 or class m
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 with fleece tape separator
Jacket material:	TPE
Jacket color:	black

Outstanding features:

- ▶ Heavy Duty Tray Cable and Control and Instrumentation Cable
- ▶ UL-AWM 21270 recognized for 105 °C
- ▶ Extreme oil resistant
- ▶ New improved with WTTC
- ▶ WTTC: UL Subject 2277
- ▶ TC: UL Standard 1277
- ▶ (UL)/(cUL) listed
- ▶ CSA listed
- ▶ NFPA 79 2012
- ▶ c(UL) CIC-TC FT4

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	4000 V
Min. bending radius <i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.
<i>continuous flexible:</i>	10 x O.D.
Temperature:	UL-AWM: up to +105°C (UL) / c(UL): -40/+90°C
Cold Bend Test:	-40°C
Burning characteristics:	(UL) Vertical Tray Flame + c(UL) FT1, FT2, FT4
Oil resistance I & II:	yes
Exposed Runs:	yes
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/25
Alt. Color code:	† Add B at the end of Part No. for Blue Conductors blue conductors with numbers; one white-blue ground wire and green-yellow earth wire † Add R at the end of Part No. for Red Conductors red conductors with numbers; one white-red ground wire and green-yellow earth wire



item no.*	AWG	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.*	AWG	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
32321803	18/3c	0.302	7.7	48	32321203	12/3c	0.420	10.7	115
32321804	18/4c	0.325	8.3	58	32321204	12/4c	0.458	11.6	145
32321805	18/5c	0.350	8.9	92	32321207	12/7c	0.621	15.8	264
32321807	18/7c	0.432	11.0	94	32321212	12/12c	0.742	18.8	398
32321812	18/12c	0.480	12.2	134	32321003	10/3c	0.506	12.9	179
32321818	18/18c	0.589	15.0	214	32321004	10/4c	0.590	15.0	248
32321825	18/25c	0.714	18.1	307	32321005	10/5c	0.642	16.3	298
32321603	16/3c	0.336	8.5	63	32320804	8/4c	0.756	19.2	385
32321604	16/4c	0.364	9.2	77	32320805	8/5c	0.826	21.0	465
32321605	16/5c	0.394	10.0	98	32320603	6/3c	0.767	19.5	426
32321607	16/7c	0.458	11.6	125	32320604	6/4c	0.879	22.3	580
32321612	16/12c	0.580	14.7	204	32320404	4/4c	1.061	26.9	845
32321618	16/18c	0.669	17.0	300	32320405	4/5c	1.179	29.9	1035
32321625	16/25c	0.817	20.8	423	32320204	2/4c	1.235	31.4	1278
32321403	14/3c	0.361	9.2	82	32320205	2/5c	1.363	34.6	1575
32321404	14/4c	0.391	9.9	102					
32321405	14/5c	0.423	10.7	125					
32321407	14/7c	0.495	12.6	169					
32321412	14/12c	0.625	15.9	282					

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. 32321404B

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