

TRAY & VFD CABLES

TR 600 Auto Combo C HD Type TC-ER and MTW

Shielded heavy duty motor supply cable with one shielded pair



Marking for the TR 600 Auto Combo C HD 32431404: SAB NORTH AMERICA ·

TR 600 AUTO COMBO C HD 14 AWG/4C + 14 AWG/1 PR P/N 32431404 (UL) TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR OIL RES I/II OR WTTC 1000V OR MTW 600V OR AWM 21270 105C 600V OR c(UL) CIC-TC PVC/N FT4 CSA AWM I/II A/B 90C 600V FT4 ROHS CE

TR 600 Auto Combo C HD is a flexible shielded motor supply cable designed for automated servo systems. This cable can be used without conduit (exposed runs). Its unique flame retardant jacket makes the TR 600 Auto Combo C HD rated for 600V suitable for tray cable applications and also as Control and Instrumentation Cable, UL AWM recognized and CSA approved for 1000 Volt. The TR 600 Auto Combo C HD has an outer PVC jacket and both a foil and a braid shield drives. This motor supply cable is also suitable for installation in wet or dry locations and is UV resistant. The TR 600 Auto Combo C HD can be used in indoor or outdoor applications and is rated for direct burial. The combination of the braid and foil shield makes the cable 100% shielded from excessive interference. TR 600 Auto Combo 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 (392, 501). Wind turbine power and control cable is intended to be installed in cable trays or raceways within a wind turbine generator.

Construction:

Conductor:	tinned copper strands class M
Insulation:	special formulated PVC/Nylon
Color code:	black conductors with consecutive white numbers and a green-yellow earth wire
Stranding:	signal conductors in pairs
Screen:	pairwise with alu foil, tinned copper drain wire AWG 26 and braided with tinned copper wires
Wrapping:	pairwise with PETP foil
Stranding:	screened signal pair(s) and power conductors in layers
Wrapping:	non-woven tape
Screen:	double shield, alu foil and tinned copper braiding
Jacket material:	TPE
Jacket color:	black

Technical data:

Voltage:	(UL) / c(UL): 600 V UL-AWM/CSA-AWM: 1000 V (UL) WTTC: 1000 V
Testing voltage:	2000 V
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<i>continuous flexing:</i>	12 x O.D.
Temperature:	UL-AWM: (UL) / c(UL)/ CSA-AWM: up to +105°C up to +90°C static: -40°C
Cold Bend Test:	-40°C
Burning characteristics:	(UL) / c(UL) FT1, FT2, FT4
Oil resistance:	yes
Sunlight resistance:	yes
Exposed Runs:	yes
Direct Burial:	yes
Machinery Area:	yes
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30



Available with blue conductors.

Outstanding features:

- ▶ WTTC: UL subject 2277
- ▶ TC: UL standard 1277
- ▶ (UL)/(cUL) listed

item no.	dimensions	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 32431614	16 AWG/4c + 18 AWG/1pr	0.531	13.5	175
▶ 32431414	14 AWG/4c + 18 AWG/1pr	0.552	14.0	190
▶ 32431404	14 AWG/4c + 14 AWG/1pr	0.636	16.2	220
▶ 32431214	12 AWG/4c + 18 AWG/1pr	0.655	16.6	245
▶ 32431204	12 AWG/4c + 14 AWG/1pr	0.688	17.5	265
▶ 32431004	10 AWG/4c + 14 AWG/1pr	0.753	19.1	370
▶ 32430804	8 AWG/4c + 14 AWG/1pr	0.952	24.2	555

Other dimensions and colors are possible on request.