

Tray & VFD Cables



TR 850 S

UV and oil resistant 90°C flexible tray cable - flexible cord
Type TC-ER and STOOW

W 105C 600V FT1 OR AWM I/II A/B 105C 1000V FT4 CE



Marking for TR 850 S 8501205:

SAB NORTH AMERICA 12AWG/5C (UL) TYPE TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR OIL RES I/II OR
TYPE STOOW 105C 600V OR WTTC 1000V OR C(UL) CIC-TC PVC 600V FT4 --- CSA STOOW 105C 600V FT1 OR AWM I/II A/B 105C 1000V FT4 CE

Construction:

Conductor:	bare copper strands class K
Insulation:	special formulated PVC
Color code:	3c- black, white, green/yellow; 4c- black, white, red, green/yellow; 5c- black, white red, brown, green/yellow; 7c- black numbered plus green/yellow ground
Stranding:	in layers
Jacket material:	special sunlight and oil resistant PVC
Jacket color:	black (RAL 9005)

Technical data:

Voltage:	UL-TC / STOOW / CSA STOOW: 600 V (UL) WTTC / CSA AWM: 1000 V
Testing voltage:	2500 V
Min. bending radius:	<i>fixed installation:</i> 4 x O.D. <i>free movement:</i> 6 x O.D.
Temperature range:	UL / CSA STOOW (UL) / c(UL): up to +105°C up to +90°C <i>static:</i> -40°C
Burning characteristics:	(UL) FT4 and c(UL) FT1, FT2, FT4
Oil resistance I & II:	yes
Sunlight resistance:	yes
Exposed runs:	yes
Direct burial:	yes
Machinery area:	yes
Approvals:	UL TC-ER, UL WTTC, UR AWM, c(UL) CIC-TC, CSA AWM, CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

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Outstanding features:



- flexible cable for cable tray use even where sunlight resistance is required.
- UL STOOW / CSA STOOW
- Class I Div I for flexible use only

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 18 AWG				
8501803	3	0.363	9.2	77
8501804	4	0.394	10.0	95
8501805	5	0.462	11.7	133
8501807	7	0.495	12.6	157
▶ 16 AWG				
8501603	3	0.392	10.0	96
8501604	4	0.422	10.7	111
8501605	5	0.497	12.6	159
8501607	7	0.535	13.6	192
▶ 14 AWG				
8501403	3	0.541	13.7	170
8501404	4	0.584	14.8	208
8501405	5	0.656	16.7	264
8501407	7	0.708	18.0	324

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 12 AWG				
8501203	3	0.614	15.6	232
8501204	4	0.640	16.3	329
8501205	5	0.716	18.2	329
8501207	7	0.773	19.6	418
▶ 10 AWG				
8501003	3	0.696	17.7	307
8501004	4	0.742	18.8	378
8501005	5	0.819	20.8	445
8501007	7	0.850	21.6	544
▶ 8 AWG				
8500804	4	0.990	25.1	623
▶ 6 AWG				
8500604	4	1.120	28.4	828

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 4 AWG				
8500404	4	1.277	32.4	1174
▶ 2 AWG				
8500204	4	1.442	36.6	1578

Other dimensions and colors are available on request

