

TRAY & VFD CABLES



TR 600 XLPE S Type TC-ER, AWM, WTTC and CSA approved

UV and oil resistant
90°C flexible tray cable

V -25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE



Marking for TR 600 XLPE S 93371612

SAB NORTH AMERICA TR 600 XLPE S 16 AWG/12C P/N 93371612 (UL) TC-ER 90C DRY/WET 600V SUN RES DIR BUR OIL RES I/II OR WTTC 1000V OR AWM 2586 105C 600V OR C(UL) CIC-TC XLPE 600V FT4 --- CSA CIC-TC XLPE 90°C DRY/WET 600V -25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE

TR 600 XLPE S is a multi-conductor, UL & CSA approved flexible tray cable. It is rated UL TC-ER, MTW, AWM and CSA CIC/TC for 600 V 90°C and UL WTTC and CSA AWM 1000V. TR 600 XLPE S is UV, oil resistant (Oil Res I & II) and is rated for 90°C wet. This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. TR 600 XLPE S tray cable is designed for use in all electric equipment in dry, damp and wet conditions. Recommended applications are machine tools, control systems, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines. TR 600 XLPE S is permitted to be used in hazardous (classified) locations Class I Division 2 per NEC article 501.4 (B) and is UL Type TC in acc. to UL standard 1277 and NEC Article 336 (392,501). Additional uses include wind turbine power and control cable intended to be installed in cable trays or raceways within a wind turbine generator and NFPA 79 Machine areas.

Construction:

Conductor:	bare copper strands Class K (30 AWG multiple strands)
Insulation:	special formulated crosslinked PE
Color code:	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	special oil resistant pressure extruded PVC
Jacket color:	black

Outstanding features:

- Flexible stranding for easy installation
- Oil resistant meeting UL Oil Res I and II
- NFPA 79 for Industrial Machinery
- UL TC-ER (exposed run)
- CSA approved for TC
- WTTC: Wind Turbine Tray Cable

Technical data:

Voltage:	UL-TC/UL-AWM/CSA: 600 V (UL) WTTC: 1000 V	
Testing voltage:	3000 V	
Min. bending radius		
<i>fixed installation:</i>	4 x O.D.	
<i>free movement:</i>	6 x O.D.	
Temperature:	UL-AWM: up to +105°C <i>static:</i> -40°C	(UL) / CSA: up to +90°C
Burning characteristics:	(UL) FT4 and CSA FT1, FT2, FT4	
Oil resistance I + II:	yes	
Sunlight resistance:	yes	
Exposed Runs:	yes	
Cold bend test:	-40°C	
Direct Burial:	yes	
Machinery Area:	yes	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/29	

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
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➤ 18 AWG				
93371802*	2	0.330	8.4	58
93371803	3	0.350	8.9	62
93371804	4	0.379	9.6	73
93371805	5	0.411	10.4	87
93371807	7	0.446	11.3	108
93371809	9	0.514	13.1	137
93371812	12	0.608	15.4	186
93371818	18	0.703	17.9	257
93371825	25	0.815	20.7	340

➤ 16 AWG				
93371602*	2	0.352	8.9	62
93371603	3	0.375	9.5	75
93371604	4	0.403	10.2	87
93371605	5	0.438	11.1	103
93371607	7	0.475	12.1	130
93371609	9	0.585	14.9	184
93371612	12	0.648	16.5	224
93371618	18	0.754	19.2	316
93371619	19	0.754	19.2	326
93371625	25	0.916	23.3	452
93371634	34	1.038	26.4	588

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
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➤ 14 AWG				
93371402*	2	0.393	10	80
93371403	3	0.414	10.5	96
93371404	4	0.450	11.4	116
93371405	5	0.492	12.5	137
93371407	7	0.570	14.5	220
93371409	9	0.657	16.7	247
93371412	12	0.732	18.6	304
93371418	18	0.894	22.7	463
93371425	25	1.036	26.3	616

➤ 12 AWG				
93371203	3	0.453	11.5	127
93371204	4	0.495	12.6	155
93371205	5	0.574	14.6	202

➤ 10 AWG				
93371003	3	0.516	13.1	181
93371004	4	0.599	15.2	242
93371005	5	0.654	16.6	289
93371007	7	0.711	18.1	378

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
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➤ 8 AWG				
93370804	4	0.773	19.6	382
➤ 6 AWG				
93370604	4	0.833	21.2	518
➤ 4 AWG				
93370404	4	0.994	25.2	790
➤ 2 AWG				
93370204	4	1.150	29.2	1160

Other dimensions and colors are possible on request.
*2 conductor cables are rated UL TC only

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Web site: www.sabcable.com