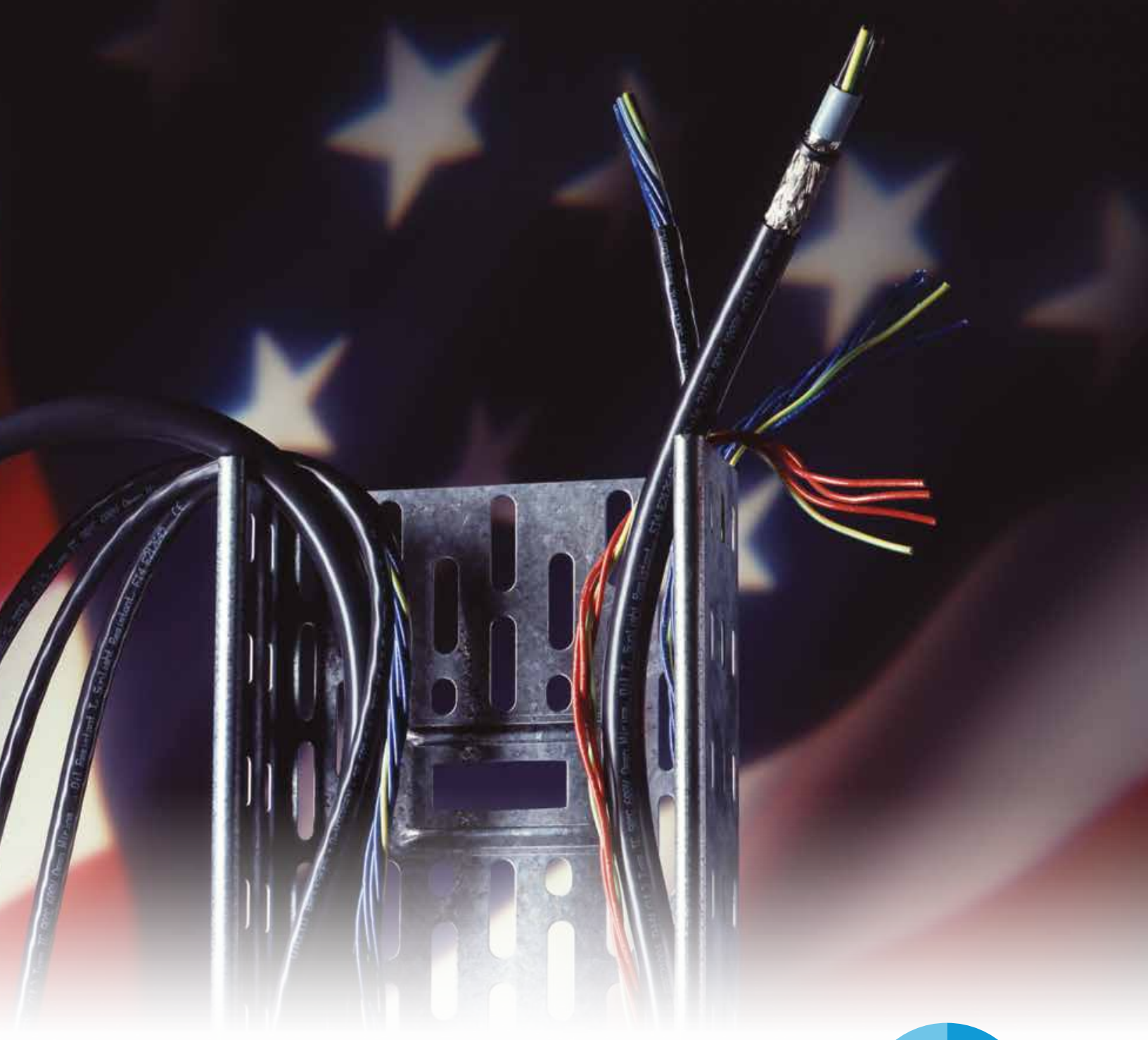


TRAY CABLES FOR INDUSTRIAL PLANT INSTALLATIONS

THE RIGHT SOLUTION FOR EVERY APPLICATION



FLEXIBLE CONTROL · CONTINUOUS FLEX
SILICONE · TORSION · TRAY · VFD · DATA
SERVO MOTOR · EUROPEAN STYLE · BUS/CAT
HALOGEN-FREE · REELING · SPECIAL CUSTOM



TRAY CABLES



TR 600 S Type TC-ER , MTW, WTTC UV and oil resistant
and CSA approved 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 S 93331612:

SAB NORTH AMERICA TR 600 S 93331612 16 AWG/12C (UL) TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR OIL RES I/II OR WTTC 1000V OR MTW "FLEXING" OR DP-1 OR AWM 2586 CSA CIC-TC PVC/N 90°C DRY 75°C WET 600V -25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE

TR 600 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 S is UV, oil resistant (Oil Res I & II) and is submersible pump rated (3-7 cond.). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. TR 600 S tray cable is designed for use in all electrical 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 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 PVC/Nylon
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
- Submersible pump (14 AWG ≥, 3 thru 7 cond.)
- WTTC: Wind Turbine Tray Cable

Technical data:

Voltage:	UL-AWM / (UL) / CSA: 600 V (UL) WTTC: 1000 V	
Testing voltage:	2000 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 -40°C	(UL) / CSA: up to +90°C
<i>static:</i>		
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
▶ 18 AWG				
93331802*	2	0.286	7.3	45
93331803	3	0.300	7.6	55
93331804	4	0.324	8.2	67
93331805	5	0.349	8.9	79
93331807	7	0.376	9.6	100
93331809	9	0.432	11.0	125
93331812	12	0.480	12.2	157
93331818	18	0.596	15.1	244
93331825	25	0.686	17.4	319
93331850	50	0.940	23.9	622
▶ 16 AWG				
93331602*	2	0.306	7.8	52
93331603	3	0.321	8.2	70
93331604	4	0.348	8.8	81
93331605	5	0.376	9.6	96
93331607	7	0.412	10.5	126
93331608	8	0.440	11.2	137
93331609	9	0.473	12.0	152
93331612	12	0.527	13.4	196
93331616	16	0.613	15.6	273
93331618	18	0.646	16.4	300

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG				
93331619	19	0.646	16.4	310
93331625	25	0.746	18.9	395
93331634	34	0.884	22.5	544
93331641	41	0.945	24.0	654
93331650	50	1.025	26.0	756
▶ 14 AWG				
93331402*	2	0.346	8.8	65
93331403	3	0.364	9.2	88
93331404	4	0.396	10.1	112
93331405	5	0.430	10.9	130
93331407	7	0.472	12.0	169
93331409	9	0.578	14.7	236
93331412	12	0.644	16.4	297
93331418	18	0.744	18.9	417
93331425	25	0.904	23.0	596
▶ 12 AWG				
93331202*	2	0.385	9.8	99
93331203	3	0.403	10.2	120
93331204	4	0.440	11.2	150
93331205	5	0.479	12.2	189
93331207	7	0.526	13.4	240

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG				
93331003	3	0.487	12.4	179
93331004	4	0.568	14.4	248
93331005	5	0.618	15.7	298
93331007	7	0.674	17.1	403
▶ 8 AWG				
93330803	3	0.662	16.8	309
93330804	4	0.728	18.5	388
93330805	5	0.826	21.0	465
▶ 6 AWG				
93330603	3	0.765	19.4	443
93330604	4	0.879	22.3	580
93330605	5	0.954	24.2	717
▶ 4 AWG				
93330403	3	0.966	24.5	696
93330404	4	1.061	26.9	845
93330405	5	1.179	29.9	1035
▶ 2 AWG				
93330203	3	1.114	28.3	977
93330204	4	1.160	29.5	1215
93330205	5	1.363	34.6	1575

Other dimensions and colors are possible on request.

*2 conductor cables are rated UL TC only

TRAY CABLES

TR 600 S CY Type TC-ER, MTW, WTTTC and CSA approved

UV and oil resistant 90°C shielded flexible tray cable



SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS

Marking for TR 600 S CY 93341625:

SAB NORTH AMERICA TR 600 S CY 93341625 16 AWG/25C (UL) TC-ER 90C DRY 75C WET 600V SUN RES DIR BUR OIL RES I/II OR WTTTC 1000V OR MTW "FLEXING" OR DP-1 OR AWM 2586 CSA CIC-TC PVC/N 90°C DRY 75°C WET 600V -25°C SR FT4 OR AWM I/II A/B 90C 1000V FT4 RoHS CE

TR 600 S CY is a multi-conductor, UL & CSA approved shielded flexible tray cable. It is rated UL TC-ER, MTW, AWM and CSA CIC/TC for 600 V, 90°C and UL WTTTC and CSA AWM 1000V. TR 600 S CY is UV, oil resistant (Oil Res I & II) and is submersible pump rated (3-7 cond.). This cable can be used without conduit (exposed runs). The reduced outer diameter permits easy handling and installation in confined areas. TR 600 S CY shielded tray cable is designed for use in all electrical 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 S CY 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 PVC/Nylon
Color code:	black conductors with consecutive white numbers; green-yellow earth wire from 3 conductors
Stranding:	in layers
Wrapping:	fleece tape
Screen:	tinned copper braiding (85% coverage)
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
- ▶ Submersible pump (14 AWG ≥, 3 thru 7 cond.)

Technical data:

Voltage:	UL-AWM / (UL) / CSA: 600 V (UL) WTTTC: 1000 V	
Testing voltage:	2000 V	
Min. bending radius		
<i>fixed installation:</i>	6 x O.D.	
<i>free movement:</i>	8 x O.D.	
Temperature:	UL-AWM: up to +105°C -40°C	(UL) / CSA: up to +90°C
static:		
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	nominal outer-Ø mm	cable weight ≈ lbs/mft
▶ 18 AWG				
93341803	3	0.324	8.2	71
93341804	4	0.348	8.8	85
93341805	5	0.373	9.5	95
93341807	7	0.400	10.2	120
93341809	9	0.455	11.6	149
93341812	12	0.504	12.8	185
93341818	18	0.617	15.7	270
93341825	25	0.710	18.0	365
▶ 16 AWG				
93341603	3	0.345	8.8	83
93341604	4	0.372	9.4	100
93341605	5	0.400	10.2	116
93341607	7	0.430	10.9	145
93341609	9	0.492	12.5	187
93341612	12	0.579	14.7	245
93341618	18	0.664	16.9	335
93341625	25	0.770	19.6	445

item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft
▶ 14 AWG				
93341403	3	0.388	9.9	108
93341404	4	0.420	10.7	131
93341405	5	0.454	11.5	155
93341407	7	0.490	12.4	190
93341412	12	0.662	16.8	350
93341418	18	0.764	19.4	482
93341425	25	0.924	23.5	701
▶ 12 AWG				
93341203	3	0.427	10.8	145
93341204	4	0.464	11.8	178
93341205	5	0.506	12.9	210

item no.	no. of conductors incl. ground	nominal outer-Ø inch	nominal outer-Ø mm	cable weight ≈ lbs/mft
▶ 10 AWG				
93341004	4	0.568	14.4	250
93341005	5	0.643	16.3	350
▶ 8 AWG				
93340804	4	0.759	19.3	447
▶ 6 AWG				
93340604	4	0.915	23.2	672
▶ 4 AWG				
93340404	4	1.097	27.9	993
▶ 2 AWG				
93340204	4	1.271	32.3	1455

Other dimensions and colors are possible on request.

TRAY CABLES



TR 600 HD Type TC-ER Heavy Duty tray cable



Marking for TR 600 HD 32301604:

SRB NORTH AMERICA TR 600 HD 16 AWG 4c P/N 32301604 (UL) TC-ER 90C DRY 75C WET 600V OIL RES I/II SUN RES DIR BUR OR WTTC 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

TR 600 HD is a severe duty 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 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 Class K
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
Jacket material:	TPE
Jacket color:	orange (also available in gray or black)

Outstanding features:

- ▶ Heavy Duty Tray Cable and Control and Instrumentation Cable
- ▶ UL-AWM recognized for 105 °C
- ▶ Extremely oil resistant
- ▶ WTTC: UL Subject 2277
- ▶ TC: UL Standard 1277
- ▶ CSA listed
- ▶ NFPA 79 for industrial machinery
- ▶ c(UL) CIC-TC FT4

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Temperature:	UL-AWM: up to +105°C (UL) / c(UL): -40/+90°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/29
Alt. Color code:	** Add B at the end of Part No. for blue conductors with numbers; one white-blue conductor 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

Available with gray or black jacket as well as blue and red conductors

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG				
32301803	3	0.300	7.6	55
32301804	4	0.324	8.2	67
32301805	5	0.349	8.9	79
32301807	7	0.376	9.6	100
32301812	12	0.480	12.2	157
32301818	18	0.596	15.1	244
32301825	25	0.686	17.4	319
▶ 16 AWG				
32301603	3	0.321	8.2	70
32301604	4	0.348	8.8	81
32301605	5	0.376	9.6	96
32301607	7	0.412	10.5	166
32301612	12	0.527	13.4	196
32301618	18	0.646	16.4	300
32301625	25	0.746	18.9	395

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 14 AWG				
32301403	3	0.364	9.2	88
32301404	4	0.396	10.1	92
32301407	7	0.472	12.0	169
32301412	12	0.644	16.4	297
▶ 12 AWG				
32301203	3	0.403	10.2	120
32301204	4	0.440	11.2	150
32301205	5	0.479	12.2	182
32301207	7	0.526	13.4	240
32301212	12	0.719	18.3	420
▶ 10 AWG				
32301003	3	0.506	12.9	179
32301004	4	0.590	15.0	248
32301005	5	0.642	16.3	298

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 8 AWG				
32300804	4	0.756	19.2	385
32300805	5	0.826	21.0	465
▶ 6 AWG				
32300603	3	0.767	19.5	426
32300604	4	0.879	22.3	580
▶ 4 AWG				
32300404	4	1.061	26.9	845
32300405	5	1.179	29.9	1035
▶ 2 AWG				
32300204	4	1.235	31.4	1278
32300205	5	1.363	34.6	1575
▶ 1 AWG				
32300104	4	1.403	35.6	1605

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. 32301404B

TRAY CABLES

TR 600 C HD Type TC-ER Shielded Heavy Duty tray cable



Marking for TR 600 C HD 32401604:

SAB North America TR 600 C HD 16 AWG/4c P/N 32401604 (UL) TC-ER 90°C DRY, 75°C WET, 600V OIL RES I/II SUN RES DIR BUR OR WTTC 1000V OR AWM 21270 105C 600V OR c(UL) CIC-TC PVC/N 600V FT4 CSA AWM I/II AB 90C 600V FT4 RoHS CE

TR 600 C HD is a shielded severe duty 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 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. 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:	black with numerical print* and one green/yellow earth wire** *Alpha-Numeric Alternate and Inverted, ie: 1-ONE
Stranding:	in layers
Inner jacket:	PVC, color black
Screen:	tinned copper braiding, 85% coverage
Jacket material:	TPE
Jacket color:	orange (also available in gray or black)

Outstanding features:

- Heavy Duty Tray Cable and Control and Instrumentation Cable
- UL-AWM recognized for 105 °C
- Extremely oil resistant
- WTTC: UL Subject 2277
- TC: UL Standard 1277
- CSA listed
- NFPA 79 for industrial machinery
- c(UL) CIC-TC FT4

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	2000 V
Min. bending radius:	7.5 x O.D.
Temperature:	UL-AWM: up to +105°C (UL) / c(UL): -40/+90°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/29
Alt. Color code:	** Add B at the end of Part No. for blue conductors with numbers; one white-blue conductor 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



Available with gray or black jacket as well as blue and red conductors

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG				
32401803	3	0.385	9.8	99
32401804	4	0.408	10.4	113
32401805	5	0.433	11.0	126
32401807	7	0.460	11.7	151
32401812	12	0.599	15.2	250
32401818	18	0.700	17.8	352
32401825	25	0.783	19.9	449
▶ 16 AWG				
32401603	3	0.406	10.3	112
32401604	4	0.413	10.5	107
32401605	5	0.460	11.7	154
32401607	7	0.490	12.4	182
32401612	12	0.640	16.3	301
32401618	18	0.750	19.1	425
32401625	25	0.882	22.4	569

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 14 AWG				
32401403	3	0.450	11.4	138
32401404	4	0.480	12.2	149
32401407	7	0.584	14.8	257
▶ 12 AWG				
32401204	4	0.523	13.3	217
32401205	5	0.597	15.2	272
▶ 10 AWG				
32401004	4	0.698	17.7	366

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 8 AWG				
32400804	4	0.930	23.6	579
▶ 6 AWG				
32400604	4	1.023	26.0	793
▶ 4 AWG				
32400404	4	1.204	30.6	1157
▶ 2 AWG				
32400204	4	1.382	35.1	1579
▶ 1 AWG				
32400104	4	1.548	39.3	2815

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. 32401404B

TRAY CABLES



TR 600 Auto HD Type TC-ER Continuous flex Heavy Duty tray cable



Marking for TR 600 Auto HD 32321604:

SAB NORTH AMERICA TR 600 Auto HD 16AWG/4c P/N 32321604 (UL) TC-ER 90C DRY 75 C WET 600V OIL RES I/II SUN RES DIR BUR OR WTTC 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

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 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

Technical data:

Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	2000 V
Min. bending radius	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
<i>continuous flexing:</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 and 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 O/29
Alt. Color code:	** Add B at the end of Part No. for Blue Conductors blue conductors with numbers; one white-blue conductor and green-yellow earth wire ** Add R at the end of Part No. for Red Conductors 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 21270 recognized for 105 °C
- ▶ Extremely oil resistant
- ▶ WTTC: UL Subject 2277
- ▶ TC: UL Standard 1277
- ▶ CSA listed
- ▶ NFPA 79 for industrial machinery
- ▶ c(UL) CIC-TC FT4
- ▶ continuous flex applications



Available with blue or red conductors

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG				
32321803	3	0.302	7.7	48
32321804	4	0.325	8.3	58
32321805	5	0.350	8.9	75
32321807	7	0.405	10.3	94
32321812	12	0.480	12.2	134
32321818	18	0.589	15.0	214
32321825	25	0.714	18.1	307
▶ 16 AWG				
32321603	3	0.336	8.5	63
32321604	4	0.364	9.2	77
32321605	5	0.394	10.0	98
32321607	7	0.458	11.6	125
32321612	12	0.580	14.7	204
32321618	18	0.669	17.0	300
32321625	25	0.817	20.8	423

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 14 AWG				
32321403	3	0.361	9.2	82
32321404	4	0.391	9.9	102
32321405	5	0.423	10.7	125
32321407	7	0.495	12.6	169
32321412	12	0.625	15.9	282
▶ 12 AWG				
32321203	3	0.420	10.7	115
32321204	4	0.458	11.6	145
32321207	7	0.621	15.8	264
32321212	12	0.742	18.8	398
▶ 10 AWG				
32321003	3	0.506	12.9	179
32321004	4	0.590	15.0	248
32321005	5	0.642	16.3	298

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 8 AWG				
32320804	4	0.756	19.2	385
32320805	5	0.826	21.0	465
▶ 6 AWG				
32320603	3	0.767	19.5	426
32320604	4	0.879	22.3	580
▶ 4 AWG				
32320404	4	1.061	26.9	845
32320405	5	1.179	29.9	1035
▶ 2 AWG				
32320204	4	1.235	31.4	1278
32320205	5	1.363	34.6	1575

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

TRAY CABLES

TR 600 Auto C HD Type TC-ER Shielded continuous flex Heavy Duty tray cable



Marking for TR 600 Auto C HD 32421604:

SAB NORTH AMERICA TR 600 Auto HD 16AWG/4c P/N 32421604 (UL) TC-ER 90C DRY 75 C WET 600V OIL RES I/II SUN RES DIR BUR OR WTTC 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

TR 600 Auto C HD is a shielded 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 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. 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 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
Wrapping:	fleece binder
Screen:	tinned copper braiding (85% coverage)
Separator:	tissue tape
Jacket material:	TPE
Jacket color:	black

Outstanding features:

- Heavy Duty Tray Cable and Control and Instrumentation Cable
- UL-AWM 21270 recognized for 105 °C
- Extremely oil resistant
- WTTC: UL Subject 2277
- TC: UL Standard 1277
- CSA listed
- NFPA 79 for industrial machinery
- c(UL) CIC-TC FT4
- continuous flex applications

Technical data:

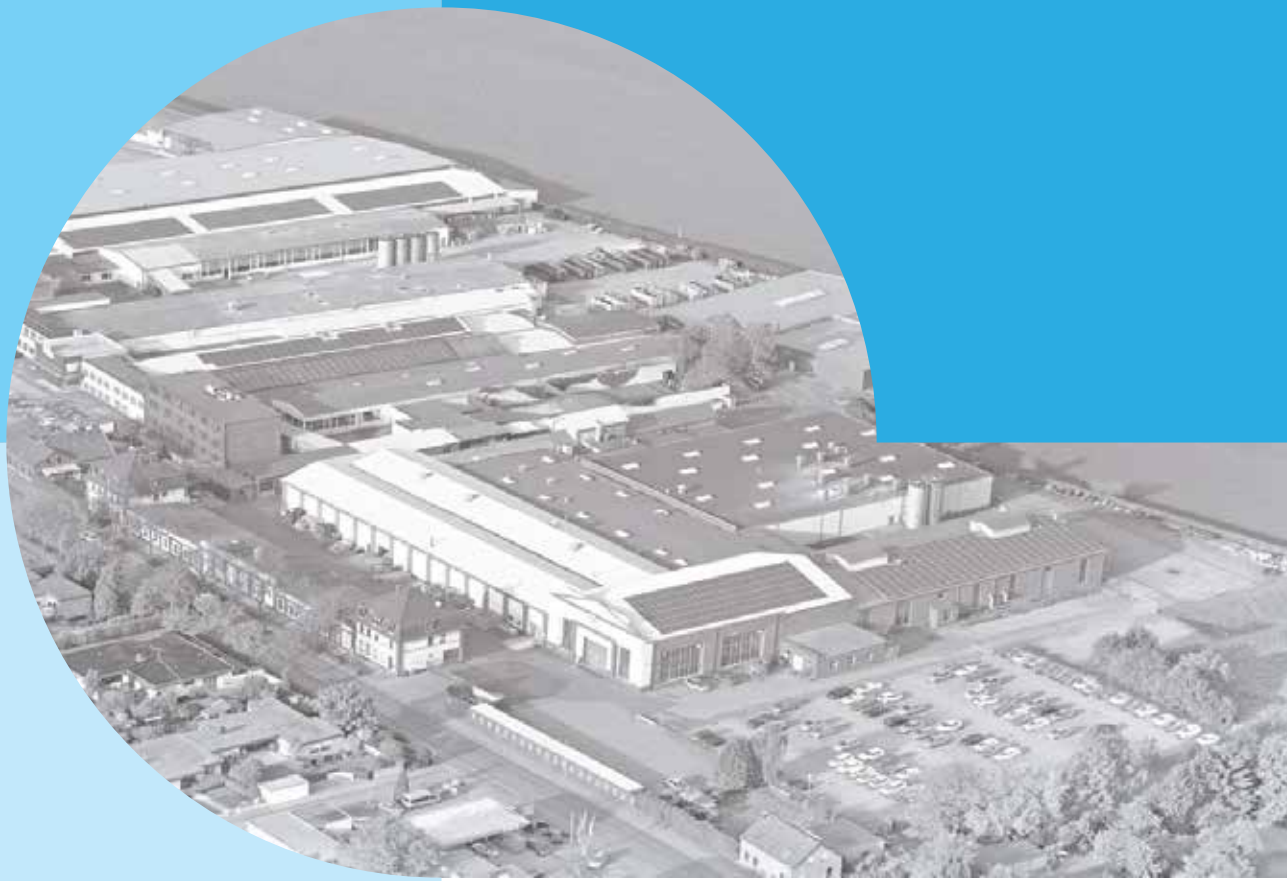
Voltage:	UL-AWM / (UL) / c(UL): 600 V (UL) WTTC: 1000 V
Testing voltage:	2000 V
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<i>continuous flexing:</i>	12 x O.D.
Temperature:	UL-AWM: up to +105°C (UL) / c(UL): -40/+90°C
Cold Bend Test:	-40°C
Burning characteristics:	(UL) Vertical Tray Flame and 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 O/29
Alt. Color code:	** Add B at the end of Part No. for Blue Conductors blue conductors with numbers; one white-blue conductor and green-yellow earth wire ** Add R at the end of Part No. for Red Conductors red conductors with numbers; one white-red conductor and green-yellow earth wire



Available with blue or red conductors

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG					▶ 14 AWG					▶ 8 AWG				
32421803	3	0.322	8.2	45	32421403	3	0.381	9.7	108	32420804	4	0.785	19.9	450
32421804	4	0.345	8.8	85	32421404	4	0.411	10.4	123	▶ 6 AWG				
32421807	7	0.425	10.8	120	32421405	5	0.443	11.3	147	32420604	4	0.914	23.2	630
32421812	12	0.500	12.7	185	32421407	7	0.515	13.1	185	▶ 4 AWG				
32421818	18	0.609	15.5	260	▶ 12 AWG					32420404	4	1.096	27.8	945
32421825	25	0.714	18.1	307	32421204	4	0.478	12.1	178	▶ 2 AWG				
▶ 16 AWG					32421205	5	0.519	13.2	210	32420204	4	1.264	32.1	1450
32421603	3	0.356	9.0	78	▶ 10 AWG					Other dimensions and colors are possible on request.				
32421604	4	0.384	9.8	100	32421004	4	0.613	15.6	280					
32421605	5	0.414	10.5	127	32421005	5	0.673	17.1	350					
32421607	7	0.478	12.1	145										
32421612	12	0.600	15.2	245										
32421618	18	0.669	17.0	337										
32421625	25	0.883	22.4	541										

*For blue conductors add B at end of P/N, for red add an R. i.e. 32421404B



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