

TECK90

XLPE/PVC/AIA/PVC, Control, Armored
600V, CSA TECK90, Multi Conductor, 14 AWG



Product Construction

Conductors:

- 14 AWG bare copper Class B compressed concentric round to ASTM B8

Insulation:

- Cross-linked Polyethylene (XLPE) Type RW90
- Color-coded: 1 to 4 conductors—Black, Red, Blue and White; Over 4 conductors—per ICEA Method 4 individual conductors colored Black with conductor number surface printed in contrasting ink

Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)—Black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- ACID-FLAME-CHECK ✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)—Black

Print:

- GENERAL CABLE® ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40°C)#/C SIZE (14 AWG) 600V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:

- Galvanized Steel Interlocked Armor (GSIA)
- Other constructions available upon request

Applications:

- For exposed and concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated and ladder-type cable trays in dry, damp or wet locations
- For direct earth burial (with protection as required by inspection authority)
- For wiring in all hazardous locations when used with certified HL cable glands

Features:

- Rated at 90°C wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

Compliances:

- CSA Standard C22.2 No. 131 and No. 174
- CSA Approval number: LR1781
- CSA FT1 and FT4
- IEEE 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-30-520 (70,000 BTU/hr)
- Hazardous Location Rating: HL
- Meets EPA 40 CFR, part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG)	GROUND WIRE SIZE (AWG)	NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
				INSULATION		ARMOR		CABLE		LBS/1000 FT	kg/km	LBS/1000 FT		kg/km		
				INCHES	mm	INCHES	mm	INCHES	mm			AL	STEEL	AL	STEEL	
14 AWG—MULTI CONDUCTOR—30 MILS INS. (.76 mm), 600V																
780220	2	14	14	0.13	3.4	0.58	14.8	0.67	16.9	39	58	195	310	290	462	15
780250	3	14	14	0.13	3.4	0.60	15.4	0.69	17.4	52	78	226	346	336	515	15
780280	4	14	14	0.13	3.4	0.64	16.2	0.72	18.3	68	101	256	385	381	573	15
794540	5	14	14	0.13	3.4	0.68	17.3	0.76	19.3	81	121	290	430	432	640	12
792940	6	14	14	0.13	3.4	0.72	18.3	0.80	20.3	95	142	316	464	471	691	12
780310	7	14	14	0.13	3.4	0.74	18.8	0.82	20.8	104	155	338	490	503	730	10.5
330090	8	14	14	0.13	3.4	0.79	20.1	0.87	22.2	117	174	373	537	555	799	10.5
792960	10	14	14	0.13	3.4	0.88	22.3	0.96	24.3	149	222	451	637	671	948	10.5
792980	12	14	14	0.13	3.4	0.90	23.0	0.99	25.0	176	262	511	702	761	1045	10.5
793000	15	14	14	0.13	3.4	0.96	24.3	1.04	26.3	217	323	586	791	872	1177	10.5
780290	20	14	14	0.13	3.4	1.13	28.7	1.21	30.8	285	424	789	1117	1174	1662	10.5
308190*	25	14	14	0.13	3.4	1.22	30.9	1.30	33.0	337	502	958	1315	1426	1957	9
333750*	30	14	14	0.13	3.4	1.28	32.5	1.36	34.6	402	599	1015	1390	1511	2069	9
330280*	40	14	14	0.13	3.4	1.40	35.6	1.48	37.7	531	791	1234	1649	1837	2454	9
299980*	50	14	14	0.13	3.4	1.52	38.5	1.60	40.6	661	984	1463	1916	2178	2851	7.5

Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item, minimum runs apply. Please consult Customer Service for price and delivery.

** Ampacity is based on CE Code Part 1: Table 2 for 3 conductors in raceway (conduit). Ampacity of 4 conductor cable is based on 3 current-carrying conductors and 1 neutral.

Ampacity at 5 or more conductors is modified by table 5C.

TECK90

XLPE/PVC/AIA/PVC, Control and Power, Armored
1000V, CSA TECK90, Three Conductor



Product Construction

Conductor:

- 14 AWG thru 8 AWG bare copper Class B compressed concentric round to ASTM B8
- 6 AWG thru 1000 kcmil bare copper compact Class B strand

Insulation:

- Cross-linked Polyethylene (XLPE) Type RW90
- Color-coded: 14 AWG to 2 AWG—Black, Red and Blue; 1 AWG to 1000 kcmil—printed numbers

Ground (Bonding) Conductor:

- The conductor consists of one uninsulated stranded bare copper conductor

Inner Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)—Black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- ACID-FLAME-CHECK ✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)—Black

Print:

- GENERAL CABLE® ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40°C) 3/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:

- Galvanized Steel Interlocked Armor (GSIA)
- Other constructions available upon request

Applications:

- For exposed and concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated and ladder-type cable trays in dry, damp or wet locations
- For direct earth burial (with protection as required by inspection authority)
- For wiring in all hazardous locations when used with certified HL cable glands

Features:

- Rated at 90°C wet or dry
- Excellent crush resistance, oil and chemical resistance
- Provides long service life
- Meets cold bend and impact tests at -40°C

Compliances:

- CSA Standard C22.2 No. 131 and No. 174
- CSA Approval numbers: LR1781
- CSA FT1 and FT4
- IEEE 383 (70,000 BTU/hr), UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-30-520 (70,000 BTU/hr)
- Hazardous Location Rating: HL
- Meets EPA 40 CFR, part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/ kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT W/ARMOR				AMPACITY** (30°C AMBIENT)
						INSULATION		ARMOR		CABLE		LBS/ 1000 FT	kg/ km	LBS/1000 FT		kg/km		
						INCHES	mm	INCHES	mm	INCHES	mm			INCHES	mm	AL	STEEL	

14 AWG THRU 1000 kcmil—THREE CONDUCTOR—1000V

330520*	3	14	14	.045	1.14	0.17	4.2	0.67	17.0	0.76	19.3	52	77	261	398	388	592	15
780260	3	12	14	.045	1.14	0.18	4.6	0.72	18.3	0.80	20.3	75	112	299	445	445	662	20
331120	3	10	12	.045	1.14	0.21	5.3	0.79	20.1	0.88	22.4	124	185	374	539	557	802	30
793200	3	8	10	.045	1.14	0.24	6.1	0.86	21.9	0.94	23.9	189	281	486	666	723	991	45
11288.010600	3	6	8	.060	1.52	0.31	7.8	1.03	26.2	1.13	28.7	300	447	724	836	1078	1244	65
11288.010400	3	4	8	.060	1.52	0.35	8.8	1.16	29.5	1.25	31.8	447	665	970	1327	1444	1975	85
11288.010300	3	3	6	.060	1.52	0.38	9.8	1.22	31.0	1.30	33.0	582	866	1136	1509	1691	2246	105
11288.010200	3	2	6	.060	1.52	0.42	10.5	1.28	32.5	1.37	34.8	710	1056	1311	1702	1951	2533	120
11288.010100	3	1	6	.080	2.03	0.49	12.5	1.44	36.6	1.54	39.1	866	1288	1593	2045	2371	3043	140
11288.015100	3	1/0	6	.080	2.03	0.53	13.5	1.56	39.6	1.68	42.7	1069	1590	1906	2389	2837	3555	155
11288.015200	3	2/0	6	.080	2.03	0.58	14.8	1.65	41.9	1.77	45.0	1327	1974	2225	2732	3311	4066	185
11288.015300	3	3/0	4	.080	2.03	0.63	15.9	1.75	44.5	1.87	47.5	1670	2485	2666	3261	3967	4853	210
11288.015400	3	4/0	4	.080	2.03	0.69	17.5	1.86	47.2	1.98	50.3	2109	3138	3207	3806	4772	5664	235
11288.016000	3	250	4	.090	2.29	0.75	19.2	2.05	52.1	2.17	55.1	2470	3675	3800	4513	5655	6716	265
11288.016200	3	350	3	.090	2.29	0.86	21.7	2.26	57.4	2.40	61.0	3437	5114	4979	5906	7409	8789	325
11288.016500	3	500	3	.090	2.29	0.99	25.0	2.52	64.0	2.66	67.6	4839	7200	6586	7627	9798	11349	395
11288.017000*	3	750	2	.090	2.29	1.16	29.4	2.89	73.4	3.03	77.0	7225	10751	9267	10470	13790	15580	500
11288.017500*	3	1000	1	.090	2.29	1.31	33.2	3.28	83.3	3.44	87.4	9612	14303	12184	13566	18130	20187	585

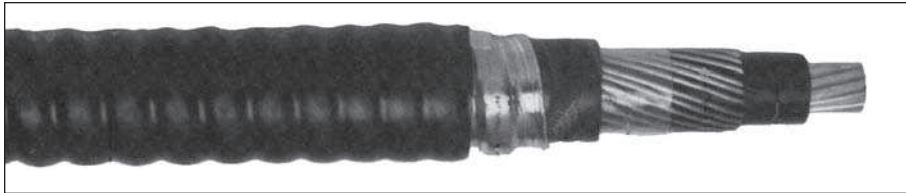
Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item, minimum runs apply. Please consult Customer Service for price and delivery.

**Ampacity is based on CE Code Part 1: Table 2 (Three conductors in raceway [conduit]) and Rule 4-004.

TECK90

XLPE/PVC/AIA/PVC, Power, Armored
1000V, CSA TECK90, Single Conductor



Product Construction

Conductor:

- 6 AWG thru 1000 kcmil bare copper compact Class B strand

Insulation:

- Cross-linked Polyethylene (XLPE) Type RW90
- Color-coded: Black

Ground (Bonding) Conductor:

- The conductor is a concentric serving of solid bare copper wires applied over the insulation

Inner Jacket:

- Flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)—Black

Armor:

- Aluminum Interlocked Armor (AIA)

Overall Jacket:

- ACID-FLAME-CHECK ✓✓® flame-retardant, moisture- and sunlight-resistant Polyvinyl Chloride (PVC)—Black

Print:

- GENERAL CABLE® ACID-FLAME-CHECK ✓✓® AG14 FT1 FT4 HL TECK90 XLPE (-40°C)1/C SIZE (AWG OR KCMIL) 1000V DIR BUR SUN RES CSA MONTH-YEAR SEQUENTIAL LENGTH MARK

Options:

- Other constructions available upon request

Applications:

- For exposed and concealed wiring in dry, damp or wet locations
- For use in ventilated, non-ventilated and ladder-type cable trays in dry, damp or wet locations
- For direct earth burial (with protection as required by inspection authority)
- For wiring in all hazardous locations when used with certified HL cable glands

Features:

- Rated at 90°C wet or dry
- Excellent crush, oil and chemical resistance
- Provides long service life
- Cost effective alternative to installations in conduit
- Meets cold bend and impact tests at -40°C

Compliances:

- CSA Standard C22.2 No. 131 and No. 174
- CSA Approval number: LR1781
- CSA FT1 and FT4
- IEEE 383 (70,000 BTU/hr)
- UL 1581 (70,000 BTU/hr)
- IEEE 1202 (70,000 BTU/hr) CSA FT4
- ICEA T-30-520 (70,000 BTU/hr)
- Hazardous Location Rating: HL
- Meets EPA 40 CFR, part 261 for leachable lead content per TCLP method
- OSHA acceptable

Packaging:

- For Canadian customers, lengths are provided on returnable wood or steel reels that require a deposit. Extra charges apply for lagging, pulling eyes, paralleling and plexing
- For U.S. customers, material cut to length and shipped on non-returnable wood reels, while lengths in excess of 10,000 lbs. are provided on returnable steel reels that require a deposit. Extra charges apply for cuts less than 1000 ft., lagging, pulling eyes, paralleling and plexing

CATALOG NUMBER	NO. OF COND.	COND. SIZE (AWG/ kcmil)	GROUND WIRE SIZE (AWG)	MIN. AVG INS. THICKNESS		NOMINAL DIAMETER (OVER)						COPPER WEIGHT		NET WEIGHT		AMPACITY** (30°C AMBIENT)
						INSULATION		ARMOR		CABLE		LBS/ 1000 FT	kg/ km	LBS/ 1000 FT	kg/km	
						INCHES	mm	INCHES	mm	INCHES	mm					
6 AWG THRU 1000 kcmil—SINGLE CONDUCTOR—1000V																
11288.040600*	1	6	8	.060	1.52	0.31	7.8	0.68	17.3	0.77	19.6	137	204	320	470	100
11288.050400*	1	4	6	.060	1.52	0.35	8.8	0.73	18.6	0.81	20.6	211	314	410	610	135
11288.030300*	1	3	6	.060	1.52	0.38	9.8	0.76	19.3	0.84	21.4	244	363	450	680	155
11288.050200*	1	2	6	.060	1.52	0.42	10.5	0.78	19.8	0.87	22.1	286	426	510	760	180
11288.050100*	1	1	4	.080	2.03	0.49	12.5	0.88	22.4	0.96	24.4	390	581	680	1010	210
11288.035100*	1	1/0	4	.080	2.03	0.53	13.5	0.91	23.2	1.00	25.4	458	682	760	1130	245
11288.035200*	1	2/0	4	.080	2.03	0.58	14.7	0.95	24.1	1.04	26.4	544	810	860	1280	285
11288.035300*	1	3/0	3	.080	2.03	0.63	15.9	1.03	26.2	1.12	28.5	685	1020	1080	1610	330
11288.025400*	1	4/0	3	.080	2.03	0.69	17.5	1.08	27.5	1.17	29.7	820	1220	1270	1890	385
11288.026000*	1	250	2	.090	2.29	0.75	19.2	1.21	30.8	1.29	32.8	980	1459	1490	2210	425
11288.036200*	1	350	1	.090	2.29	0.86	21.7	1.30	33.0	1.39	35.3	1340	1994	1910	2840	530
11288.026500*	1	500	1/0	.090	2.29	0.99	25.0	1.42	36.1	1.51	38.4	1750	2604	2510	3740	660
11288.027000*	1	750	2/0	.090	2.29	1.16	29.4	1.59	40.4	1.69	43.0	2570	3825	3510	5230	845
11288.027500*	1	1000	2/0	.090	2.29	1.31	33.2	1.81	46.0	1.90	48.3	3340	4970	4430	6590	1000

Dimensions and weights are nominal; subject to industry tolerances.

*Non-stock item, minimum runs apply. Please consult Customer Service for price and delivery.

**Ampacity is based on CE Code Part 1: Table 1 (single conductor in free air) and Rule 4-004.

FIREX®-II TECK90 (XLPE) -40°C 1 kV

FIREX®-II TECK90 (XLPE) 1 kV 1C

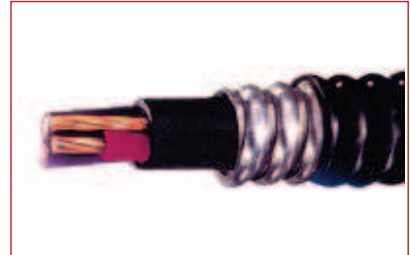
Part Number: 1 kV 1C

Nexans FIREX®-II TECK90 Cables are intended for use in various primary and secondary industries, including chemical processing plants, refineries and general factory environments.

Description

Even in the most demanding industrial and resource industry applications, Nexans FIREX®-II TECK90 cables have proven to have a superior service and maintenance record.

FIREX®-II TECK90 Cables utilize low acid gas, low flame spread PVC jacket compounds to ensure maximum safety to personnel and equipment in the event of fire.



Applications

FIREX®-II TECK90 Cables, originally developed for use in Canadian mines, are flexible, resistant to mechanical abuse, corrosion resistant, compact and reliable. They are suitable for a wide range of applications, including ALL hazardous locations.

Industries such as pulp and paper, chemical, petroleum and other primary and secondary manufacturing industries have used FIREX®-II TECK90 Cables, particularly in areas where cables are subject to the risk of mechanical damage and chemical attack.

Commercial applications for FIREX®-II TECK90 Cables include apartment buildings and commercial complexes.

FIREX®-II TECK90 Cables can be relocated easily because they are rugged and flexible. They can be used in both dry and wet locations in open wiring, in ventilated, non-ventilated and ladder-type cable troughs, in ventilated flexible cableways, and for direct burial.

TECK90 Cables are also suitable for service entrance installations - above and below ground.

Highlights

Nexans FIREX®-II TECK90 Cables are:

- Available from stock
- Versatile
- Flexible
- Resistant to Mechanical Abuse and Corrosion
- Compact and Reliable
- "HL" and "FT4" Rated per CSA
- 90°C to -40°C
- Low Acid Gas (AG14)
- Inner and outer jackets are sunlight resistant
- LEAD FREE
- RoHS compliant

FIREX®-II TECK90 (XLPE) -40°C 1 kV

FIREX®-II TECK90 (XLPE) 1 kV 1C

Marking and Identification

The inner jackets of Nexans FIREX®-II TECK90 cables are printed: SUN RES.

The outer jackets of Nexans FIREX®-II TECK90 cables are printed: (mon/year) NEXANS FIREX®-II TECK90 XLPE (-40°C) CSA LL19376 F HL FT4 AG14 SUN RES along with conductor size, number of conductors and sequential metre marking.

Conductor Identification:

Black

Characteristics

Construction characteristics	
Conductor material	Copper
Electrical characteristics	
Maximum operating voltage	1 kV
Usage characteristics	
Maximum operating temperature	90 °C

FIREX®-II TECK90 (XLPE) -40°C 1 kV
FIREX®-II TECK90 (XLPE) 1 kV 1C
Part Number: 1 kV 1C

1C 1 kV TECK90

Conductor Size		Insulation Thickness		Inner Jacket Thickness		Nominal Diameters						Approximate Net Cable Weight with Aluminum Armour		Approximate Copper Content
Power AWG or kcmil	Bonding AWG	inches	mm	inches	mm	Inner Jacket		Armour		Outer Covering		lb/kft	kg/km	kg/km
						inches	mm	inches	mm	inches	mm			
6	8	0.060	1.52	0.030	0.76	0.453	11.5	0.693	17.60	0.791	20.09	331	493	210
4	6	0.060	1.52	0.030	0.76	0.497	12.63	0.737	18.72	0.835	21.21	428	637	330
3	6	0.060	1.52	0.030	0.76	0.525	13.33	0.765	18.94	0.863	21.92	473	704	382
2	6	0.060	1.52	0.030	0.76	0.555	14.1	0.795	20.19	0.893	22.68	528	786	446
1	4	0.080	2.03	0.045	1.14	0.658	16.7	0.898	22.81	0.996	25.30	696	1036	599
1/0	4	0.080	2.03	0.045	1.14	0.725	18.42	0.965	24.51	1.069	27.15	781	1162	701
2/0	4	0.080	2.03	0.045	1.14	0.742	18.84	0.982	24.94	1.072	27.23	873	1300	830
3/0	3	0.080	2.03	0.045	1.14	0.798	20.27	1.073	27.25	1.163	29.54	1097	1632	1051
4/0	3	0.080	2.03	0.045	1.14	0.859	21.82	1.134	28.80	1.244	31.60	1272	1893	1257
250	2	0.090	2.29	0.060	1.52	0.957	24.31	1.232	31.29	1.338	33.98	1497	2228	1500
300	2	0.090	2.29	0.060	1.52	1.005	25.53	1.28	32.51	1.409	35.79	1715	2552	1733
350	1	0.090	2.29	0.060	1.52	1.066	27.07	1.341	34.06	1.446	36.73	1910	2842	2062
400	1	0.090	2.29	0.060	1.52	1.123	28.53	1.398	35.51	1.527	38.79	2164	3220	2299
500	1/0	0.090	2.29	0.060	1.52	1.204	30.58	1.479	37.57	1.585	40.26	2515	3742	2864
600	1/0	0.090	2.29	0.060	1.52	1.278	32.47	1.553	39.45	1.682	42.72	2960	4405	3332
750	2/0	0.090	2.29	0.060	1.52	1.408	35.75	1.683	42.75	1.812	46.02	3648	5429	4189
1000	3/0	0.090	2.29	0.060	1.52	1.545	39.24	1.896	48.16	2.011	51.08	4456	6631	5359

*Steel armour is not permitted in single conductor cables.

FIREX®-II TECK90 (XLPE) -40°C 1 kV FIREX®-II TECK90 (XLPE) 1 kV 1C

1C 1 kV TECK90 Fitting Sizes and Ampacity

Conductor Size		Ampacity (A) 30°C Ambient (Notes 2, 3)			Fittings (Note 4)			
Power	Bonding				Appleton	T & B	CMP Products	Cooper Crouse-Hinds
AWG or kcmil	AWG	60°C	75°C	90°C				
6	8	80	95	105	TMC5099	10465-TB-AL/ST050-465	TMC075A	TECK050-3
4	6	105	125	140	TMC5099	10465-TB-AL/ST050-465	TMC075A	TECK050-3
3	6	120	145	165	TMC5099	10465-TB-AL/ST050-465	TMC075A	TECK050-3
2	6	140	170	190	TMC5099	10466AL/ST050-466	TMC075A	TECK050-4
1	4	165	195	220	TMC75121	10467AL/ST075-467	TMC075A	TECK050-5
1/0	4	195	230	260	TMC75121	10468AL/ST075-468	TMC100A	TECK075-6
2/0	4	220	265	300	TMC75121	10468AL/ST075-468	TMC100A	TECK075-6
3/0	3	260	310	350	TMC75121	10468AL/ST075-468	TMC100A	TECK075-6
4/0	3	300	360	405	TMC100138	10469AL/ST100-469	TMC125A	TECK100-7
250	2	340	405	455	TMC100138	10469AL/ST100-469	TMC125A	TECK100-7
300	2	370	445	500	TMC125163	10470AL/ST125-470	TMC125A	TECK125-8
350	1	425	505	570	TMC125163	10470AL/ST125-470	TMC150A	TECK125-8
400	1	455	545	615	TMC125163	10470AL/ST125-470	TMC150A	TECK125-8
500	1/0	520	620	700	TMC125163	10550AL/ST125-550	TMC150A	TECK125-9
600	1/0	580	690	780	TMC125188	10471AL/ST125-471	TMC150A	TECK125-10
750	2/0	655	785	885	TMC125188	10472AL/ST150-472	TMC200SA	TECK150-11
1000	2/0	785	935	1055	TMC150220	10473AL/ST150-473	TMC200A	TECK150-12

Notes:
 1) Where stated, "nominal" and "approximate" values are provided for information purposes only and are subject to standard manufacturing tolerances.
 2) Based on 2012 CEC Table 1, for single conductors in free air.
 3) The maximum conductor temperature (used to determine the maximum conductor ampacity) shall be based on the lowest temperature rating of the electrical equipment, any wire connector, or cable (2012 CEC Rule 4-006).
 4) Ensure that only non-magnetic connectors, locknuts and ground bushings are used.

Selling information

Caution Notice

In case of fire, well maintained early warning smoke detectors will give an alarm long before non-metallic coverings become combustible.

However, in spite of the widespread and long-standing use of PVC in residential and commercial buildings, all purchasers of PVC insulated/ jacketed products should be aware of the following:

- Non-metallic coverings of electrical cables can burn and may transmit fire when ignited.
- Burning non-metallic coverings may emit acid gases which are toxic and may generate dense smoke.
- Emission of acid gases may corrode metal in the vicinity; e.g. sensitive instruments and reinforcing rods in cement.