

TECK90 – COPPER CONDUCTOR

MULTIPLE CONDUCTOR #14 AWG

XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA



(3 conductor shown)

Conductor:
14 AWG. round concentric lay class "B" stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
2 Conductor: black, white
3 Conductor: black, red, blue
4 Conductor: black, red, blue, white
5 - 50 Conductor: black with printed number code

Bonding Conductor (Ground):
One (1) bare stranded class "B" copper conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black

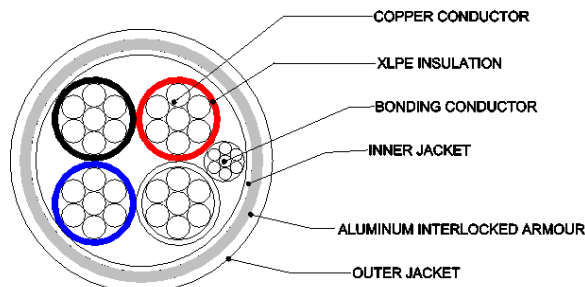
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14
CSA, METRE MARK

CSA Licence:
LL109933

Applications:
For concealed wiring in dry or wet locations
For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in dry or wet locations
For direct earth burial (with protection as required by inspection authority)
For service entrance above or below ground

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

Industry compliances: CSA Standard C22.2 No. 131, No.38, No. 174 and No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



(4 conductor construction shown)

PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT		AMPACITY AT 90° C
						INNER JACKET		ARMOUR		CABLE				
						INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	
800432	2	14	14	0.030	0.76	0.361	9.2	0.539	13.69	0.626	15.90	265	178	25
800453	3	14	14	0.030	0.76	0.379	9.6	0.559	14.20	0.646	16.41	296	199	25
800467	4	14	14	0.030	0.76	0.414	10.5	0.594	15.09	0.681	17.30	336	226	20
800476	5	14	14	0.030	0.76	0.452	11.5	0.652	16.56	0.739	18.77	390	262	20
800480	6	14	14	0.030	0.76	0.492	12.5	0.692	17.58	0.779	19.79	433	291	20
800484	7	14	14	0.030	0.76	0.492	12.5	0.692	17.58	0.779	19.79	458	308	18
800488	8	14	14	0.030	0.76	0.565	14.4	0.765	19.43	0.852	21.64	536	360	18
800410	10	14	14	0.030	0.76	0.657	16.7	0.857	21.77	0.944	23.98	631	424	18
800415	12	14	14	0.030	0.76	0.677	17.2	0.877	22.28	0.964	24.49	691	464	18
800418	15	14	14	0.030	0.76	0.750	19.1	0.950	24.13	1.037	26.34	802	539	18
800421	20	14	14	0.030	0.76	0.871	22.1	1.121	28.47	1.208	30.68	1113	748	18
800425	25	14	14	0.030	0.76	0.963	24.5	1.213	30.81	1.300	33.02	1295	870	15
800446	30	14	14	0.030	0.76	1.018	25.9	1.268	32.21	1.355	34.42	1454	977	15
801235	40	14	14	0.030	0.76	1.133	28.8	1.383	35.13	1.470	37.34	1777	1194	15
801302	50	14	14	0.030	0.76	1.277	32.4	1.527	38.79	1.630	41.40	2115	1421	12

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CFC Part 1



(3 conductor shown)

Conductor:
12 AWG. round concentric lay class "B"
stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
2 Conductor: black, white
3 Conductor: black, red, blue
4 Conductor: black, red, blue, white
5 - 50 Conductor: black with printed number
code

Bonding Conductor (Ground):
One (1) bare stranded class "B" copper
conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black Other colours available upon request

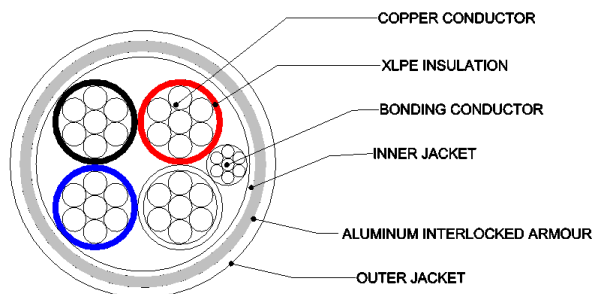
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NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL)
TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14
CSA, METRE MARK

CSA Licence:
LL109933

Applications:
For concealed wiring in dry or wet locations
For exposed wiring in dry or wet locations
For exposed and wiring in dry, locations where subjected to corrosive
action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in
dry or wet locations
For direct earth burial (with protection as required by inspection
authority)
For service entrance above or below ground

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

Compliances:
Industry compliances: CSA Standard C22.2 No. 131, No.38, No. 174
and No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket
and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



(4 conductor construction shown)

PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG/kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT		AMPACITY AT 90° C
						INNER JACKET		ARMOUR		CABLE		KG/KM	LBS/1000'	
						INCHES	mm	INCHES	mm	INCHES	mm			
800429	2	12	14	0.030	0.76	0.397	10.1	0.577	14.66	0.664	16.87	303	204	30
800450	3	12	14	0.030	0.76	0.420	10.7	0.600	15.24	0.687	17.45	350	235	30
800504	4	12	14	0.030	0.76	0.459	11.7	0.659	16.74	0.746	18.95	417	280	24
800475	5	12	14	0.030	0.76	0.503	12.8	0.703	17.86	0.790	20.07	474	319	24
800479	6	12	14	0.030	0.76	0.581	14.8	0.781	19.84	0.868	22.05	567	381	24
800483	7	12	14	0.030	0.76	0.581	14.8	0.781	19.84	0.868	22.05	604	406	21
800487	8	12	14	0.030	0.76	0.628	16.0	0.828	21.03	0.915	23.24	665	447	21
800409	10	12	14	0.030	0.76	0.727	18.5	0.927	23.55	1.014	25.76	789	530	21
800414	12	12	14	0.030	0.76	0.786	20.0	1.036	26.31	1.123	28.52	972	653	21
800417	15	12	14	0.030	0.76	0.879	22.3	1.129	28.68	1.216	30.89	1177	791	21
800420	20	12	14	0.030	0.76	0.972	24.7	1.222	31.04	1.309	33.25	1421	955	21
800424	25	12	14	0.030	0.76	1.077	27.4	1.327	33.71	1.414	35.92	1672	1124	18
800445	30	12	14	0.030	0.76	1.139	28.9	1.389	35.28	1.476	37.49	1897	1275	18
801401	40	12	14	0.030	0.76	1.275	32.4	1.525	38.74	1.628	41.35	2352	1581	18
801402	50	12	14	0.030	0.76	1.441	36.6	1.691	42.95	1.794	45.57	2827	1900	13

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1

TECK90 – COPPER CONDUCTOR

MULTIPLE CONDUCTOR #10 AWG

XLPE/ALUMINUM ARMoured/600 V, (-40°C) CSA



(3 conductor shown)

Conductor:
10 AWG. round concentric lay class “B” stranded copper

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
2 Conductor: black, white
3 Conductor: black, red, blue
4 Conductor: black, red, blue, white
5 - 50 Conductor: black with printed number code

Bonding Conductor (Ground):
One (1) bare stranded class “B” copper conductor

Inner jacket:
Polyvinyl Chloride (PVC), black

Armour:
Aluminum interlocked armour

Outer Jacket:
Low acid gas, flame-retardant, moisture and sunlight resistant Polyvinyl Chloride (PVC), black

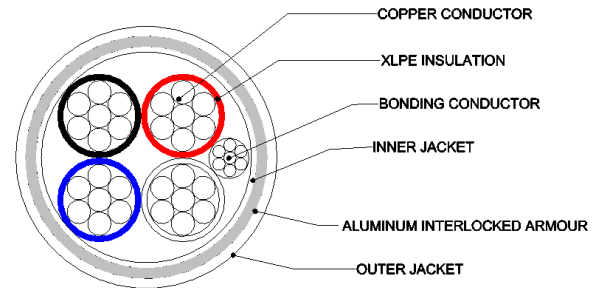
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CSA, METRE MARK

CSA Licence:
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Applications:
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For exposed and wiring in dry, locations where subjected to corrosive action if suitable for corrosive conditions encountered
For exposed wiring where subjected to the weather
For use in ventilated, Non-ventilated and ladder-type cable trays in dry or wet locations
For direct earth burial (with protection as required by inspection authority)
For service entrance above or below ground

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

Compliances:
Industry compliances: CSA Standard C22.2 No. 131, No.38, No. 174 and No.2256, RoHS
Flame test compliances: CSA FT4
Hazardous Location, SUN RES (outer jacket) SUN RES on inner jacket and insulated conductor available upon request, Direct Burial
Acid Gas: CSA AG14



(4 conductor construction shown)

PART NO.	NO OF COND.	COND. SIZE (AWG/kcmil)	GROUND WIRE SIZE (AWG /kcmil)	MIN. AVG. INSULATION THICKNESS		NOMINAL DIAMETER (OVER)						NET WEIGHT		AMPACITY AT 90° C
						INNER JACKET		ARMOUR		CABLE				
						INCHES	mm	INCHES	mm	INCHES	mm	INCHES	mm	
800427	2	10	12	0.030	0.76	0.445	11.3	0.645	16.38	0.732	18.59	286	192	40
800448	3	10	12	0.030	0.76	0.471	12.0	0.671	17.04	0.758	19.25	454	305	40
800463	4	10	12	0.030	0.76	0.549	13.9	0.749	19.02	0.836	21.23	565	380	32
800474	5	10	12	0.030	0.76	0.601	15.3	0.801	20.35	0.888	22.56	647	435	32
800477	6	10	12	0.030	0.76	0.653	16.6	0.853	21.67	0.940	23.88	728	489	32
800482	7	10	12	0.030	0.76	0.653	16.6	0.853	21.67	0.940	23.88	755	507	28
800486	8	10	12	0.030	0.76	0.707	18.0	0.907	23.04	0.994	25.25	867	583	28
800408	10	10	12	0.030	0.76	0.869	22.1	1.119	28.42	1.206	30.63	1186	797	28
800413	12	10	12	0.030	0.76	0.895	22.7	1.145	29.08	1.232	31.29	1315	884	28
800416	15	10	12	0.030	0.76	0.992	25.2	1.242	31.55	1.329	33.76	1544	1038	28
800419	20	10	12	0.030	0.76	1.082	27.5	1.332	33.83	1.419	36.04	1881	1264	28
800423	25	10	12	0.030	0.76	1.221	31.0	1.471	37.36	1.558	39.57	2249	1511	24
800444	30	10	12	0.030	0.76	1.293	32.8	1.543	39.19	1.630	41.40	2575	1730	24
801403	40	10	12	0.030	0.76	1.436	36.5	1.686	42.82	1.789	45.44	3234	2173	24
801404	50	10	12	0.030	0.76	1.626	41.3	1.926	48.92	2.029	51.54	3914	2630	20

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES
AMPACITY IS BASED ON CEC Part 1