Phone: 1-888-524-5050
www.northerncables.com

TECK90 – COPPER CONDUCTOR

SEPT 2015

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

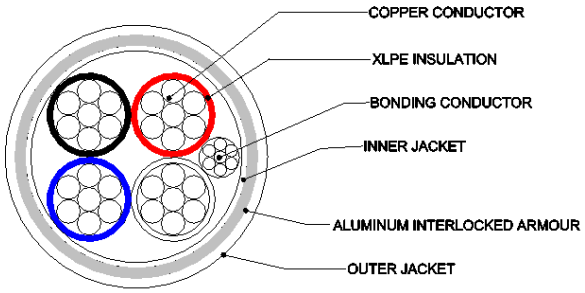
Print:
NORTHERN CABLES™ #/C SIZE (AWG OR KCMIL) TECK90 XLPE 600V HL FT4 (-40C) SUN RES AG14 CSA, METRE MARK

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 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	KG/KM	LBS/ 1000'	
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 CEC Part 1