Cables Phone: 1-888-524-5050

www.northerncables.com

AC90 - COPPER CONDUCTOR

2 CONDUCTOR SIZES #14 AWG, #12 AWG, #10 AWG XLPE/ALUMINUM ARMOURED/600 V, (-40°C) CSA



Conductor:

14 AWG. Thru 10 AWG.solid copper

Insulation

Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding: Black, white

Bonding Conductor (Ground): One (1) bare solid copper conductor

Armour

Aluminum interlocked armour

CSA Licence: 109933

Applications:

For exposed and concealed wiring in dry, locations

For use in ventilated, non-ventilated and ladder-type cable trays in $% \left(1\right) =\left(1\right) \left(1\right$

dry locations

Features:

Rated at 90°C dry

Excellent crush resistance

Provides long service life

Cost effective alternative to installations in conduit

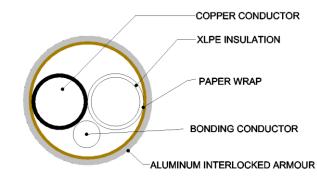
Meets cold bend and impact tests at (-40°C)

Compliances:

Industry compliances: CSA Standard C22.2 No. 51, No.38 and

No.2256, RoHS

Flame test compliances: CSA ST1 and FT4



COND. NOMINAL DIAMETER (OVER) MIN. AVG. SIZE GROUND INSULATION **AMPACITY** NET **PART** NO OF (AWG/ WIRE SIZE **THICKNESS TWISTED CORE ARMOUR** WEIGHT AT 90° C COND. NO. kcmil) **INCHES INCHES INCHES** KG/KM (AWG) mm mm mm 0.430 800031 2 14 14 0.03 0.76 0.248 6.3 10.92 121 25 800012 12 14 0.03 0.76 0.282 7.2 0.456 11.58 150 30 800001 0.03 0.76 0.324 8.2 0.515 13.08 208 40 10

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1



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AC90 – COPPER CONDUCTOR

3 CONDUCTOR SIZES #14 AWG, #12 AWG, #10 AWG XLPE/ALUMINUM ARMOURED/600 V, (-40°C) CSA



Conductor:

14 AWG. Thru 10 AWG. solid copper

Insulation

Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding: Black, white, red

Bonding Conductor (Ground):
One (1) bare solid copper conductor

Armour

Aluminum interlocked armour

CSA Licence: 109933

Applications:

For exposed and concealed wiring in dry, locations

For use in ventilated, non-ventilated and ladder-type cable trays in

dry locations

Features: Rated at 90°C dry Excellent crush resistance Provides long service life

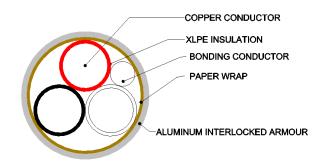
Cost effective alternative to installations in conduit Meets cold bend and impact tests at (-40°C)

Compliances:

Industry compliances: CSA Standard C22.2 No. 51, No.38 and

No.2256 RoHS

Flame test compliances: CSA ST1 and FT4



(3 conductor shown)

		COND.		MIN.	AVG.	NOMINAL DIAMETER (OVER)				NET	AMPACITY
PART NO.	NO OF COND.	SIZE	GROUND	INSULATION		TWISTED CORE		ARMOUR		WEIGHT	AT 90° C
		(AWG/	WIRE SIZE								
		kcmil)	(AWG)	INCHES	mm	INCHES	mm	INCHES	mm	KG/KM	
800045	3	14	14	0.03	0.76	0.299	7.6	0.469	11.91	152	25
800008	3	12	14	0.03	0.76	0.303	7.7	0.485	12.32	191	30
800036	3	10	12	0.03	0.76	0.348	8.8	0.545	13.84	269	40

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1



AC90 - COPPER CONDUCTOR

4 CONDUCTOR SIZES #14 AWG, #12 AWG, #10 AWG XLPE/ALUMINUM ARMOURED/600 V, (-40°C) CSA



(3 conductor shown)

Conductor:

14 AWG. Thru 10 AWG. solid copper

Insulation

Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:

Black, white, red, blue

Bonding Conductor (Ground):

One (1) bare solid copper conductor

Armour:

Aluminum interlocked armour

CSA Licence: 109933

Applications:

For exposed and concealed wiring in dry, locations

For use in ventilated, non-ventilated and ladder-type cable trays in

dry location:

Features:

Rated at 90°C dry

Excellent crush resistance

Provides long service life

Cost effective alternative to installations in conduit

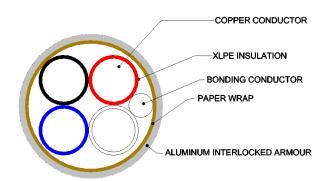
Meets cold bend and impact tests at (-40°C)

Compliances:

Industry compliances: CSA Standard C22.2 No. 51, No.38 and

No.2256, RoHS

Flame test compliances: CSA ST1 and FT4



		COND.		MIN.	AVG.	NOMINAL DIAMETER (OVER)				NET	AMPACITY
PART NO.	NO OF COND.	SIZE	GROUND	INSULATION		TWISTED CORE		ARMOUR		WEIGHT	AT 90° C
		(AWG/	WIRE SIZE								
		kcmil)	(AWG)	INCHES	mm	INCHES	mm	INCHES	mm	KG/KM	
800078	4	14	14	0.03	0.76	0.335	8.5	0.530	13.46	186	25
800073	4	12	14	0.03	0.76	0.348	8.8	0.545	13.84	237	30
800007	4	10	12	0.03	0.76	0.414	10.5	0.640	16.26	349	40

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1

