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 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

Applications:
For exposed and concealed wiring in dry, locations
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Flame test compliances: CSA ST1 and FT4

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NO OF COND.</th>
<th>COND. SIZE (AWG/kcmil)</th>
<th>GROUND WIRE SIZE (AWG)</th>
<th>MIN. AVG. INSULATION THICKNESS</th>
<th>NOMINAL DIAMETER (OVER)</th>
<th>NET WEIGHT</th>
<th>AMPACITY AT 90°C</th>
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<tbody>
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Dimensions and weights are nominal; subject to industry tolerances

AMPACITY is based on CEC Part 1
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:
Aluminium 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
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Flame test compliances: CSA ST1 and FT4

PART NO. | NO OF COND. | COND. SIZE (AWG/ (AWG) | GROUND WIRE SIZE (AWG) | MIN. AVG. INSULATION | NOMINAL DIAMETER (OVER) | NET WEIGHT | AMPACITY AT 90°C |
---|---|---|---|---|---|---|---|
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

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 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

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Applications:
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For use in ventilated, non-ventilated and ladder-type cable trays in dry locations

Features:
Rated at 90°C dry
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Compliances:
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Flame test compliances: CSA ST1 and FT4

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<th>MIN. AVG. INSULATION</th>
<th>NOMINAL DIAMETER (OVER)</th>
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DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES
AMPACITY IS BASED ON CEC Part 1