

COMPOSITE CABLE CONSTRUCTION

PVC/NYLON/ALUMINUM ARMoured/600 V, (-25°C) cUL



Conductor:
Solid soft drawn copper

Insulation:
Thermoplastic high heat resistant nylon coated PVC/nylon

Colour Coding:
Power: black, white, green
Signal: 16 AWG. gray, purple

Bonding Conductor (Ground):
One (1) insulated solid soft drawn copper

Inner jacket:
Polyvinyl Chloride (PVC), blue

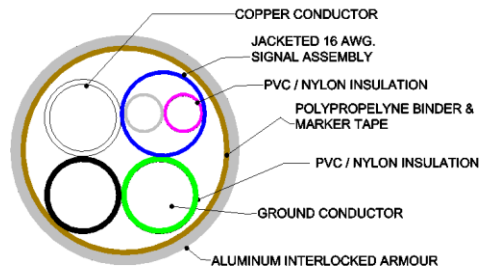
Armour:
Aluminum interlocked armour

UL listings:
ACIC E486190

Applications:
For use in smart buildings
LED and fluorescent dimming
Allows control circuits to be placed in a cable with light or power circuits.
For exposed or concealed wiring in dry locations as per CEC Table 19*

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 (-25°C)

Compliances:
Industry compliances: UL Certified to CSA Standard C22.2 No. 239-17, No.2556, RoHS
Flame test compliances: FT1



| NO OF COND. | COND. SIZE (AWG/kc mil) | GROUND WIRE SIZE (AWG /kcmil) | INSULATION/NYLON THICKNESS | | DIAMETER OVER INNER JACKET | | NOMINAL DIAMETER (OVER) | | | | WEIGHT | |
|-------------|-------------------------|-------------------------------|----------------------------|----------|----------------------------|------|-------------------------|-------|--------|-------|------------|-------|
| | | | INCHES | MM | INCHES | MM | TWISTED CORE | | ARMOR | | LBS/ 1000' | KG/KM |
| | | | | | | | INCHES | MM | INCHES | MM | | |
| 2 | 14 | 14 | 0.0015/0.005 | 0.38/0.1 | | | | | | | | |
| 2 | 16 | | 0.015/0.005 | 0.38/0.1 | 0.259 | 6.58 | 0.378 | 9.60 | 0.558 | 14.17 | 139 | 207 |
| 3 | 14 | 14 | 0.015/0.005 | 0.38/0.1 | | | 0.382 | 9.70 | 0.575 | 14.61 | 165 | 245 |
| 2 | 16 | | 0.015/0.005 | 0.38/0.1 | 0.259 | 6.58 | | | | | | |
| 2 | 12 | 12 | 0.015/0.005 | 0.38/0.1 | | | 0.420 | 10.67 | 0.600 | 15.24 | 168 | 250 |
| 2 | 16 | | 0.015/0.005 | 0.38/0.1 | 0.259 | 6.58 | | | | | | |
| 3 | 12 | 12 | 0.015/0.005 | 0.38/0.1 | | | 0.450 | 11.43 | 0.630 | 16.00 | 200 | 298 |
| 2 | 16 | | 0.015/0.005 | 0.38/0.1 | 0.259 | 6.58 | | | | | | |
| 2 | 10 | 10 | 0.020/0.005 | 0.51/0.1 | | | 0.430 | 10.92 | 0.610 | 15.49 | 202 | 301 |
| 2 | 16 | | 0.015/0.005 | 0.38/0.1 | 0.259 | 6.58 | | | | | | |
| 3 | 10 | 10 | 0.020/0.005 | 0.51/0.1 | | | 0.460 | 11.68 | 0.650 | 16.51 | 218 | 325 |
| 2 | 16 | | 0.015/0.005 | 0.38/0.1 | 0.259 | 6.58 | | | | | | |

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

***OBTAIN APPROVAL FROM YOUR LOCAL INSPECTION AUTHORITY PRIOR TO INSTALLATION**