

Antenna Systems & Supplies Company

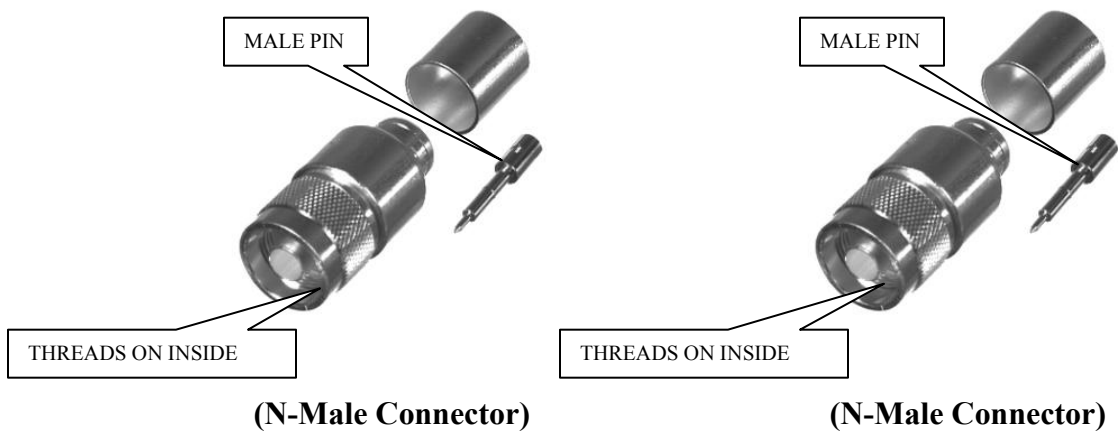
931 Albion Ave

Schaumburg, Illinois 60193

Phone: 847-584-1000 Fax: 847-584-9951

www.antennasystems.com

PART NUMBER: **600C-NMNM-50**
LENGTH: **50 FEET / 15.24 METERS**
CONNECTORS: **N-MALE CRIMP ON EACH SIDE**



N-Male Connectors have the threads on the inside and a male pin.

ANDREW CNT-400 CABLE SPECIFICATIONS:

Mechanical Specifications:

| | | |
|------------------------------|-------|-------|
| Minimum Bend Radius, in (mm) | 1.5 | 38.1 |
| Bending Moment, lb-ft (N-m) | 2.75 | 3.73 |
| Cable Weight, lb/ft (kg/m) | 0.131 | 0.2 |
| Tensile Strength, lb (kg) | 350 | 158.9 |

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CNT 600 CINTA BRAIDED CABLE

ELECTRICAL CONT.

| Frequency MHz | Attenuation dB/100 ft | Attenuation dB/100 m | Ave. Power kW |
|--------------------------|----------------------------------|---------------------------------|--------------------------|
| 30 | 0.42 | 1.4 | 5.5 |
| 50 | 0.54 | 1.8 | 4.2 |
| 150 | 1.0 | 3.2 | 2.4 |
| 220 | 1.2 | 3.9 | 2.0 |
| 450 | 1.7 | 5.5 | 1.35 |
| 900 | 2.5 | 8.1 | 0.93 |
| 1500 | 3.3 | 10.8 | 0.70 |
| 1800 | 3.7 | 12.0 | 0.63 |
| 2000 | 3.9 | 12.7 | 0.59 |
| 2500 | 4.4 | 14.4 | 0.52 |

Attenuation: VSWR 1.0, ambient temperature 20°C (68°F)

Average Power: VSWR 1.0, ambient temperature 40°C (104°C), inner conductor temperature 100°C (212°F)

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CABLE SPECIFICATIONS

| CNT-400 CINTA TM BRAIDED CABLE | | | |
|--|--------------------------|-----------------|----------|
| DESCRIPTION | | MATERIAL | |
| CNT-600 | STANDARD OUTDOOR CABLE | POLYETHYLENE | |
| CNT-600-DB | WATERTIGHT CABLE | POLYETHYLENE | |
| CNT-600-FR | FIRE RETARDANT (CATVR) | NON-HALOGENATED | |
| MECHANICAL | | VALUE | |
| MINIMUM BEND RADIUS, IN (MM) | 1.5 | 38.1 | |
| BENDING MOMENT LB-FT, (N-M) | 2.75 | 3.73 | |
| CABLE WEIGHT LB/FT (KG/M) | 0.131 | 0.2 | |
| TENSILE STRENGTH, LB (KG) | 350 | 158.9 | |
| FLAT PLATE CRUSH STRENGTH, LB/IN (KG/MM) | 60 | 1.07 | |
| CONSTRUCTION | | MATERIAL | |
| INNER CONDUCTOR | SOLID BCCAI | 0.176 IN | 4.47 MM |
| DIELECTRIC | FOAM POLYETHYLENE | 0.455 IN | 11.56 MM |
| OUTER CONDUCTOR | ALUMINUM TAPE | 0.461 IN | 11.71 MM |
| OVERALL BRAID | TINNED COPPER | 0.490 IN | 12.45 MM |
| DIAMETER OVER JACKET | BLACK POLYETHYLENE | 0.590 IN | 14.99 MM |
| ENVIRONMENTAL | | VALUE | |
| STORAGE TEMPERATURE, °C | -70 TO +85 (-94 TO +185) | | |
| INSTALLATION TEMPERATURE °C (°F) | -40 TO +85 (-40 TO +185) | | |
| OPERATING TEMPERATURE °C (°F) | -40 TO +85 (-40 TO +185) | | |
| ELECTRICAL | | VALUE | |
| MAXIMUM FREQUENCY | 10.3GHZ | | |
| VELOCITY, PERCENT | 87 | | |
| VOLTAGE WITHSTAND | 24000 VDC | | |
| PEAK POWER | 40 KW | | |
| DC RESISTANCE, OHMS/1000 FT (1000M) | | | |
| INNER CONDUCTOR, OHMS | .53 (1.74) | | |
| OUTER CONDUCTOR, OHMS | 1.2 (3.94) | | |
| JACKET SPARK | 8000 VRMS | | |
| CAPACITANCE | 23.4 PF/(76.8 PF/M) | | |
| INDUCTANCE | 0.058 UH/FT (0.19 UH/M) | | |
| SHIELDING EFFECTIVENESS | >90 DB | | |
| PHASE STABILITY | < 10 PPM/ °C | | |