

75 OHM COAXIAL CABLE TRUNK & DISTRIBUTION



MODEL: NCM-500JCA109MS

Description

Fully bonded Copper Clad center conductor, solid Aluminum tube swaged onto dielectric core, medium density Polyethylene jacket, integrate Steel messenger.

Specifications

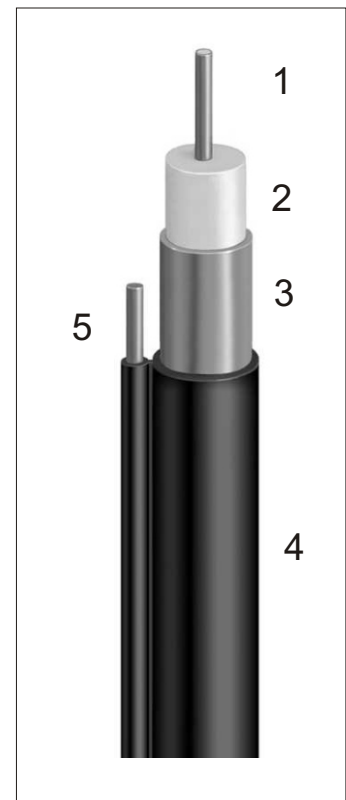
| ITEM | MATERIAL | DIAMETER / THICKNESS |
|----------------------|-----------------------------|-----------------------------------|
| Center Conductor (1) | Copper Clad Aluminum | 0.109" (2.77mm) |
| Dielectric (2) | Foamed Polyethylene | 0.45" (11.43mm) |
| Shield (3) | Solid Aluminum Tube | 0.500" (12.7mm) / 0.024" (0.61mm) |
| Jacket (4) | Medium Density Polyethylene | 0.560" (14.2mm) / 0.033" (0.84mm) |
| Messenger (5) | Steel | 0.111" (2.82mm) |

Mechanical Characteristics

| | |
|--------------------------------|--------------------|
| Minimum Bend Radius | 6" (15.2cm) |
| Maximum Pulling Tension | 300 lbs. (136kgf) |
| Breaking Strength of messenger | 1,800lbs. (816kgf) |

Electrical Characteristics

| | |
|-------------------------|-------------------------|
| Capacitance | 15.3±1pF/ft (50±3nF/km) |
| Impedance | 75 ± 3Ω |
| Velocity of Propagation | 87% |
| Loop Resistance | 1.72Ω/1000ft.(5.64Ω/km) |



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Unless otherwise noted, the above specifications reflect typical device performance at stated reference levels in the recommended operating configuration(s).

Specifications are subject to change without notice.

NCM Supplies Inc.

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www.ncmsupplies.com

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Attenuation

| Frequency (Mhz) | dB/100ft (Max) | dB/100meters (max) |
|-----------------|----------------|--------------------|
| 5 | 0.16 | 0.52 |
| 55 | 0.54 | 1.77 |
| 83 | 0.66 | 2.17 |
| 211 | 1.09 | 3.58 |
| 250 | 1.20 | 3.94 |
| 300 | 1.31 | 4.30 |
| 350 | 1.43 | 4.69 |
| 400 | 1.53 | 5.02 |
| 450 | 1.63 | 5.35 |
| 500 | 1.73 | 5.67 |
| 550 | 1.82 | 5.97 |
| 600 | 1.91 | 6.27 |
| 750 | 2.16 | 7.09 |
| 870 | 2.34 | 7.68 |
| 1000 | 2.52 | 8.27 |

Package



| | |
|-----------------|-----------------|
| Shipping Weight | 420lbs. (190kg) |
| Cable qty | 2500ft (762m) |

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