

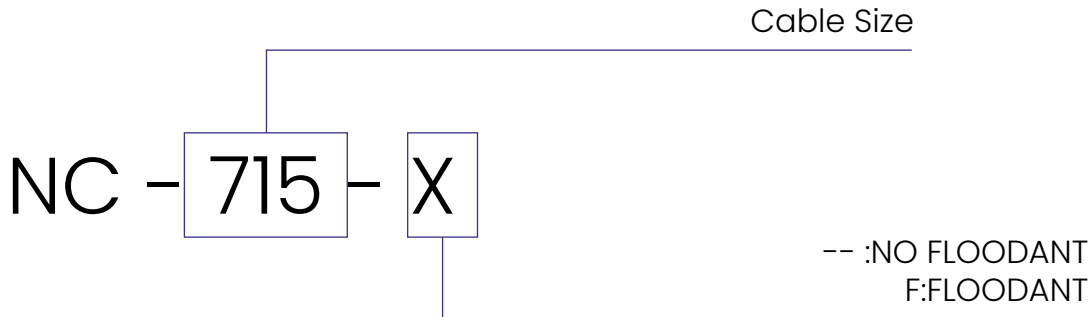


715 Coaxial Hardline 75 Ohm Trunk Cable



Construction: Swaged Solid Aluminum Tube Onto A Stabilized Dielectric Core With A Fully Bonded Copper Clad Center Conductor And Black Pe Jacket.

Ordering Information



Specifications

Center Conductor:
Copper Clad Aluminum
Nominal Diameter: 0.166±0.001" (4.22 ±0.03mm)

Dielectric:
Micro-Cellular Foam Pe
Insulation Grade, Virgin Material, Foam Polyethylene
Nominal Diameter Over Dielectric: 0.686"±0.002" (17.42mm±0.05mm)
Bonding Force: 90 Lbs. Min.

Outer Conductor:
Solid Aluminum Tube
Nominal Diameter Over Outer Conductor: 0.715" (18.16 Mm)
Nominal Inner Diameter Of Outer Conductor: 0.686" (17.42 Mm)
Nominal Thickness Of Outer Conductor: 0.0145±0.002" (0.37mm±0.05mm)

Jacket:
Flame Retardant, Sunlight Resistant, Black, Pe Jacket Uv Stabilized.
Nominal Diameter Over Jacket (Doj): 0.785" (19.94mm)
Minimum Point Jacket Thickness: 0.025" (0.64mm)

Flooding Compound (Only NC715F): Polybutane.

Material Specifications

Center Conductor Material	Copper-clad aluminum
Dielectric Material	Foam PE
Jacket Material	PE
Outer Conductor Material	Aluminum

Electrical Properties

Capacitance	50.2 PF/m
Impedance	75 +/- 2.0 Ohms
DC Resistance Note	Nominal values based on a standard condition of 20°C (68°F)
DC Resistance, inner Conductor, nominal	1.90 ohms/km 0.579 ohms/kft
DC Resistance, Loop, nominal	3.27 ohms/km 0.997ohms/kft
DC Resistance, Outer Conductor, nominal	1.37 ohms/km 0.418 ohms/kft
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	0.87
Operating Frequency Band	5-3000 MHz
Structural Return Loss	30dB@5-1002MHz 24dB@1002-1218MHz 24dB@1218-1794MHz

Mechanical Specifications

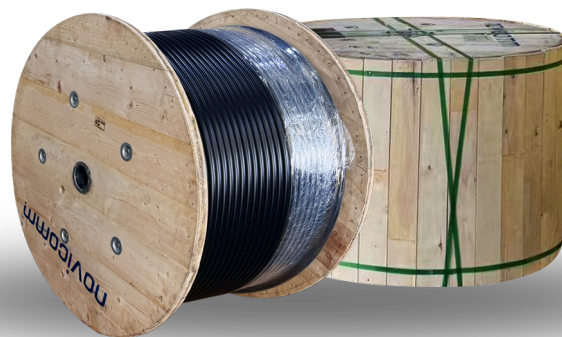
Minimum Bend Radius, bonded	127mm 5in
Pulling Tension, maximum	154 kg 340 lb
Jacket Elongation	≥400%
Installation Temperature	-25°C ~ +60°C
Operating Temperature	-40°C ~ +70°C

Attenuation Db/100ft (Db/100m) Max Corrected To 68° F (20°C):

FREQUENCY (MHz)	(dB/100ft @20°C)	(dB/100m @20°C)
5	0.11	0.36
55	0.37	1.21
85	0.45	1.48
211	0.74	2.43
250	0.81	2.66
300	0.89	2.92
350	0.97	3.18
400	1.05	3.44
450	1.12	3.67
500	1.19	3.9
550	1.25	4.1
600	1.31	4.3
750	1.49	4.89
865	1.62	5.31
1002	1.75	5.74

■ Packaging Specifications

- Cable Length per Reel: 2460FT | 750M
- Packaging Dimensions: 41"*41"*27.6" | 105*105*70 CM
- Shipping Weight per Reel: 222 kg | 489.4 lbs (NC715)
232 kg | 511.5 lbs (NC715F)



Unless otherwise specified, dimensions, material, electrical and mechanical Specifications shall comply with ansi scte 15. All images are for reference only.