

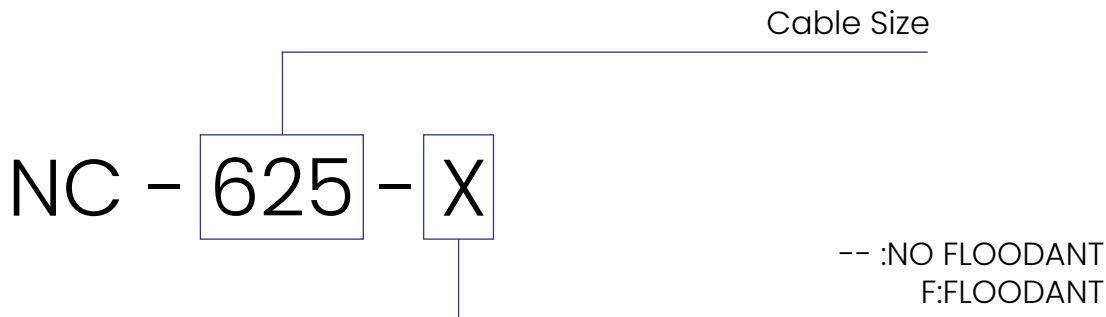
# 625 Coaxial Hardline

## 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: 0.136±0.001" (3.45 ±0.03mm)

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Dielectric:  
Micro-Cellular Foam Pe  
Insulation Grade, Virgin Material, Foam Polyethylene  
Nominal Diameter Over Dielectric: 0.565"±0.002" (14.35mm±0.05mm)  
Bonding Force: 80 Lbs. Min.

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Outer Conductor:  
Solid Aluminum Tube  
Nominal Diameter Over Outer Conductor: 0.625" (15.88 Mm)  
Nominal Inner Diameter Of Outer Conductor: 0.563" (14.30 Mm)  
Nominal Thickness Of Outer Conductor: 0.030±0.002" (0.76mm±0.05mm)

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Jacket:  
Flame Retardant, Sunlight Resistant, Black, Pe Jacket Uv Stabilized.  
Nominal Diameter Over Jacket (Doj): 0.685" (17.40mm) / NC625F:0.695" (17.65mm)  
Minimum Point Jacket Thickness: 0.021" (0.53mm)

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Flooding Compound (Only NC625F): 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	2.76 ohms/km   0.84 ohms/kft
DC Resistance, Loop, nominal	3.61 ohms/km   1.10 ohms/kft
DC Resistance, Outer Conductor, nominal	0.85 ohms/km   0.26 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	177.8mm   7in
Pulling Tension, maximum	396.893 kg   875 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	0.13	0.43
55	0.45	1.48
85	0.56	1.85
211	0.92	3.02
250	1	3.28
300	1.08	3.54
350	1.18	3.87
400	1.27	4.17
450	1.35	4.43
500	1.43	4.69
550	1.5	4.92
600	1.58	5.18
750	1.78	5.84
865	1.93	6.33
1002	2.07	6.79

## Packaging Specifications

- Cable Length per Reel: 2460FT | 750M
- Packaging Dimensions: 41"\*41"\*20.5" | 105\*105\*52 CM
- Shipping Weight per Reel: 206 kg | 454.2 lbs (NC625)  
214 kg | 471.8 lbs (NC625F)



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