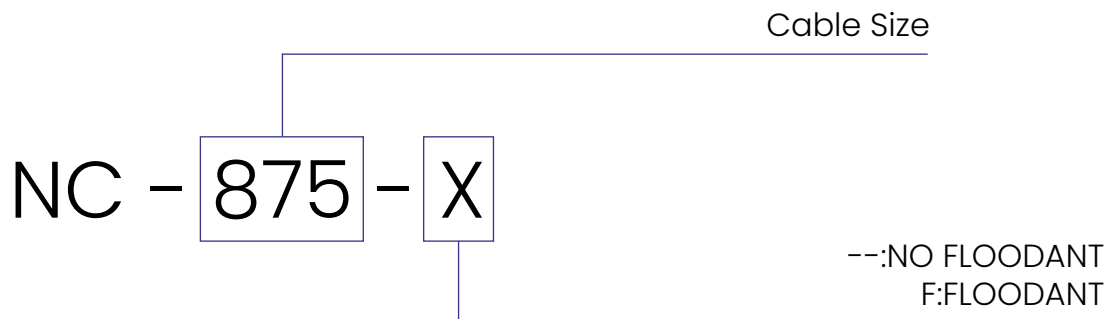


# 875 Coaxial Hardline 75 Ohm Trunk Cable



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: 0.194±0.001" (4.93mm±0.03mm)

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Dielectric:  
Micro-Cellular Foam Pe  
Insulation Grade, Virgin Material, Foam Polyethylene  
Nominal Diameter Over Dielectric: 0.797"±0.0078" (20.24mm±0.2mm)  
Bonding Force: 86 Lbs. Min.

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Outer Conductor:  
Solid Aluminum Tube  
Nominal Diameter Over Outer Conductor: 0.875" (22.23 mm)  
Nominal Inner Diameter Of Outer Conductor: 0.797" (20.24 mm)  
Nominal Thickness Of Outer Conductor: 0.0393±0.001" (1mm±0.025mm)

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Jacket:  
Flame Retardant, Sunlight Resistant, Black, Pe Jacket Uv Stabilized.  
Nominal Diameter Over Jacket (Doj): 0.945" (24.00mm) / NC875F:0.955" (24.26mm)  
Minimum Point Jacket Thickness: 0.025" (0.64mm)

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Flooding Compound (Only NC875F): 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	1.378 ohms/km   0.42 ohms/kft
DC Resistance, Loop, nominal	1.804 ohms/km   0.55 ohms/kft
DC Resistance, Outer Conductor, nominal	0.427 ohms/km   0.13 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   25dB@1002-1218MHz   25dB@1218-1794MHz

## Mechanical Specifications

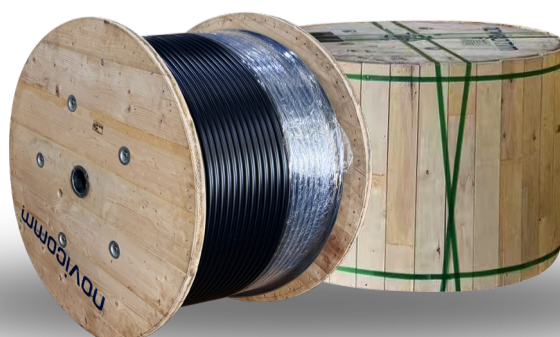
Minimum Bend Radius, bonded	177.8mm   7in
Pulling Tension, maximum	396.893 kg   875 lb
Jacket Elongation	≥400%
Installation Temperature	-25°C ~ +60°C
Operating Temperature	-40°C ~ +70°C

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

FREQUENCY (MHz)	(dB/100ft @20°C)	(dB/100m @20°C)
5	0.09	0.3
55	0.33	1.08
85	0.4	1.31
204	0.63	2.07
211	0.66	2.17
250	0.72	2.36
300	0.78	2.56
350	0.84	2.76
400	0.91	2.99
450	0.97	3.18
500	1.03	3.38
550	1.08	3.54
600	1.14	3.74
750	1.29	4.23
865	1.41	4.63
1002	1.53	5.02
1218	1.7	5.57
1500	1.95	6.39
1794	2.17	7.13
1800	2.18	7.14
2000	2.32	7.62
2200	2.46	8.09
2500	2.67	8.76
2700	2.8	9.19
3000	3	9.83

## Packaging Specifications

- Cable Length per Reel: 1640FT | 500M
- Packaging Dimensions: 43.3"×43.3"×28.3" | 110×110×72 CM
- Shipping Weight per Reel: 260kg | 573lbs (NC875)  
270kg | 595lbs (NC875F)



Unless Otherwise Specified On This Drawing, All Portions Of the Cable Construction Must Meet The Appropriate Sections Of: Scte 15 2019