

RG6 QUAD SHIELD

18 AWG CCS, CM FLAME RETARDANT, PVC JACKET

Part Number:

NRG6Q-4404-CCLL

Base Code Color / Length

See Complete Part Number Legend & Example Below



Electrical Performance:

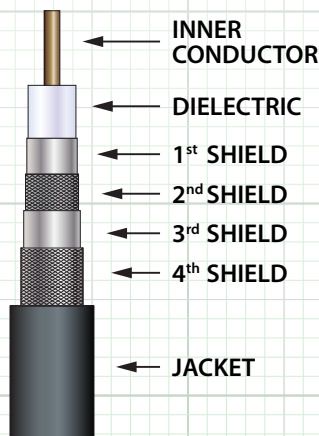
Frequency (MHz)	Max. Attenuation	
	(dB/100ft)	(dB/100m)
5	0.58	1.90
55	1.60	5.25
211	3.05	10.00
250	3.30	10.82
270	3.37	11.04
300	3.55	11.64
330	3.74	12.26
350	3.85	12.63
400	4.15	13.61
450	4.40	14.43
500	4.66	15.29
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
870	6.11	20.04
1000	6.55	21.49

Reference Standards:

SCTE 74 2011

Electrical Characteristics:

Impedance	(Ohms)	75± 3.0
SRL	(dB, 5-1002 MHz)	≤-23
	(dB, 1003- 1525MHz)	≤-20
	(dB, 1526- 3000MHz)	≤-20
Capacitance	(pF/m)±3	53.1
Conductor DCR@20° C	(ohms/km)	≤94
Velocity of Propagation	(%)	≥83



Physical Characteristics:

Conductor		
AWG	18	
Material	CCS (Copper Clad Steel)	
Diameter	(mm)	1.02±0.01
Insulation	Foam Polyethylene	
Insulation Diameter	(mm)	4.57±0.10
1st Al-Mylar Shield	(Overlapping, %)	≥18
2nd 60% Braided Shield	Al-Mg Wire	
Construction	(mm)	4/16/ 0.16
Coverage Area	(%)	≥60
3rd Al-Mylar Shield	(mm)	21mm APA
4th 40% Braided Shield	(mm)	3/16/ 0.16
Coverage Area	(%)	≥40
Jacket	CM PVC	
Nom. Thickness	(mm)	0.65
Min. Thickness	(mm)	0.52
Cable Diameter	(mm)	7.54±0.2

Mechanical Characteristics:

Test Measurements			Jacket PVC
Before Aging	Tensile Strength	(Mpa)	≥13.8
	Elongation	(%)	≥200
Aging Condition		(°C x hrs)	100.°C x 168
After Aging	Tensile Strength	(Mpa)	≥50% unaged
	Elongation	(%)	≥50% unaged
Cold Bend		(-20 ± 2°C x 4 hrs)	No crack
Jacket impact test		(-15°C)	No crack
Jacket Longitudinal Shrinkage		%	≥5
Center Conductor Break Strength		(N)	≥641
Center Conductor Bond to dielectric		(N)	≥2.3

Part # Legend:

NRG6Q	4404	CC	L	L
RG6DUAL	CODE	COLOR	LENGTH	PACKAGE

Color & Length Legend: (Example: Black, 1000'; Reel In Box = NRG6Q-4404-0210)

Color Legend	
01	White
02	Black

Legend	Length	Package
10	1000'	BOX
11	1000'	REEL
50	500'	BOX
51	500'	REEL

Cable Marking:

NRG6Q-4404 RG6 18AWG CCS FPE QUAD FOIL/60% AL BRAID/FOIL/40% AL PVC JKT CM VERIFIED c(ETL) us 5108667 (Date lot code) 1000FT.....0002FT

Note: Specification subject to change without notice