

## RG6 DUAL SHIELD AL-TAPE / 60% AL BRAID 18 AWG CCS, CM FLAME RETARDANT, PVC JACKET

Part Number:

### NRG6U-4204-CCLL

Base      Code      Color / Length

See Complete Part Number Legend & Example Below



Electrical Performance:

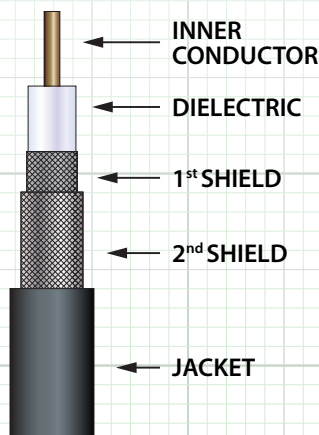
Frequency (MHz)	Max. Attenuation	
	(dB/100ft)	(dB/100m)
5	0.98	3.20
55	1.60	5.30
211	3.05	10.00
250	3.30	10.82
270	3.37	11.04
300	3.55	11.64
330	3.74	12.26
350	3.85	12.63
400	4.15	13.61
450	4.40	14.43
500	4.66	15.29
550	4.90	16.08
600	5.10	16.73
750	5.65	18.54
870	6.11	20.04
1000	6.55	21.49
1450	8.10	26.55
1850	9.10	29.85
2200	9.80	32.13
2500	10.50	34.42
3000	12.50	40.98

Reference Standards:

SCTE 74 2011

Electrical Characteristics:

Impedance	(Ohms)	75± 3.0
SRL	(dB, 5-1002 MHz)	≤-20
	(dB, 1003- 3000MHz)	≤-15
Capacitance	(pF/m)±3	52.1
Conductor DCR@20° C	(ohms/km)	≤120
Velocity of Propagation	(%)	≥83



Physical Characteristics:

<b>Conductor</b>		
AWG	18	
Material	CCS (Copper Clad Steel)	
Diameter	(mm)	1.02±0.01
Insulation	Foam Polyethylene	
Insulation Diameter	(mm)	4.57±0.10
First Al-Mylar Shield	(Overlapping, %)	≥18
<b>2nd Braided Shield</b>	<b>Al-Mg Wire</b>	
Construction	(mm)	4/16/ 0.16
Coverage Area	(%)	≥60
<b>Jacket</b>	<b>CM PVC</b>	
Nom. Thickness	(mm)	0.65
Min. Thickness	(mm)	0.52
Cable Diameter	(mm)	6.93±0.20

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)	≥504
Center Conductor Bond to dielectric		(N)	≥2.3

Part # Legend:

NRG6U	4204	CC	L	L
RG6DUAL	CODE	COLOR	LENGTH	PACKAGE

Color & Length Legend: (Example: Black, 1000'; Reel In Box = NRG6U-4204-0210)

Color Legend	
01	White
02	Black

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

Cable Marking:

NRG6U-4204- RG6 18 AWG CCS FPE DUAL FOIL/60% AL BRAID CM VERIFIED c(ETL)us 5108667 (Date lot code) 1000FT.....0002FT