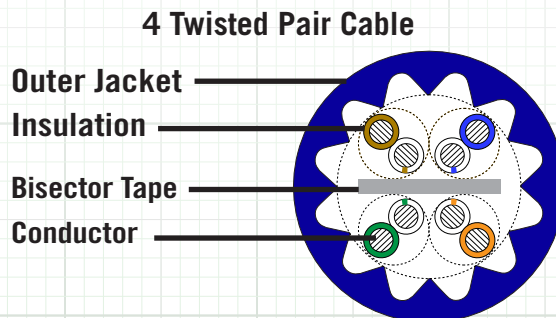




ANSI/TIA-568 D.2 Category 6A ISO/IEC 11801 (Swept tested to 500 MHz) ETL Type CMR, CSA C(TL)CMR

Part Number: **N6AP CC 1 RL**
Base Color Length Put Up

See Complete Part Number Legend & Example Below



Pair Identification:

Pair 1	Blue/White w/Co-Extruded Blue Stripe on White Single
Pair 2	Orange/White w/Co-Extruded Orange Stripe on White Single
Pair 3	Green/White w/Co-Extruded Green Stripe on White Single
Pair 4	Brown/White w/Co-Extruded Brown Stripe on White Single

Material and Construction

Diameter Over Jacket	7.620 mm 0.300 in
Jacket Thickness	1.346 mm 0.053 in
Pulling Tension, maximum	11 kg 25 lb
Installation Temperature	0°C to 60°C
Operation Temperature	-20° to 60°C
Jacket Material	LSPVC
Conductor Material	Bare copper
Insulation Material	FEP
Separator Material	FRPO

Part # Legend: (Example: Blue, 1000', Reel = **N6APBL1RL**) * Non-Stock, Requires Factory Minimum Run

N	6A	P	CC	1	RL
Northern	Cbl. Type	Rating	Color Code	Length	Put Up

Rating Legend	
Plenum	P

Color Legend	
White	WH
Blue	BL
Yellow	YL
Black	BK
Orange	OR
Red	RD
Green	GN
Gray	GY
Purple	PR*
Pink	PK*

Length Legend	
1000'	1

Put Up Legend	
Reel	RL

Note: Specification subject to change without notice

ANSI/TIA-568 D.2 Category 6A (Swept tested to 500 MHz)



Electrical Performance:

Freq. MHz	IL	NEXT	ACR	PSNEXT	PSACR	ACRF	PSACRF	RL	TCL	ELTCTL
	Std	Std	Std	Std	Std	Std	Std	Std	Std	Std
1	2.1	74.3	72.2	72.3	70.2	67.8	64.8	20.0	40.0	35.0
4	3.8	65.3	61.5	63.3	59.5	55.8	52.8	23.0	40.0	23.0
8	5.3	60.8	55.4	58.8	53.4	49.7	46.7	24.5	40.0	16.9
10	5.9	59.3	53.4	57.3	51.4	47.8	44.8	25.0	40.0	15.0
16	7.5	56.2	48.8	54.2	46.8	43.7	40.7	25.0	38.0	10.9
20	8.4	54.8	46.4	52.8	44.4	41.8	38.8	25.0	37.0	9.0
25	9.4	53.3	44.0	51.3	42.0	39.8	36.8	24.3	36.0	7.0
31.25	10.5	51.9	41.4	49.9	39.4	37.9	34.9	23.6	35.1	
62.5	15.0	47.4	32.4	45.4	30.4	31.9	28.9	21.5	32.0	
100	19.1	44.3	25.2	42.3	23.2	27.8	24.8	20.1	30.0	
155	24.1	41.4	17.4	39.4	15.4	24.0	21.0	18.8	28.1	
200	27.6	39.8	12.2	37.8	10.2	21.8	18.8	18.0	27.0	
250	31.1	38.3	7.3	36.3	5.3	19.8	16.8	17.3	26.0	
300	34.3	37.1	2.9	35.1	0.9	18.3	15.3	16.8	25.2	
350	37.2	36.1	-1.1	34.1	-3.1	16.9	13.9	16.3	24.6	
400	40.1	35.3	-4.8	33.3	-6.8	15.8	12.8	15.9	24.0	
500	45.3	33.8	-11.4	31.8	-13.4	13.8	10.8	15.2	23.0	

(All tests include swept frequency measurements)

Electrical Specifications:

ANSI/TIA Category	6A
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m
Mutual Capacitance	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	66 %
Operating Frequency, maximum	500 MHz
Transmission Standards	ANSI/TIA-568-C.2
Safety Voltage Rating	300 V
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Dielectric Strength, minimum	1500 Vac 2500 Vdc

Note: Specification subject to change without notice