

# Andes<sup>TM</sup>

Brand Coaxial Cable

PRODUCT SELECTION GUIDE



Quality Coaxial Drop Cable for  
Broadband Networks Worldwide



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## PRODUCTS

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STANDARD-SHIELD

QUAD-SHIELD



# Andes<sup>TM</sup>

## Coaxial Cable

### INTRODUCTION

PCT International's Andes brand 75 Ohm coaxial CATV cable is the reliable, cost effective solution for today's broadband systems. Designed and manufactured to the broadband industry's standards, Andes cable offers service providers the lowest possible cable cost while ensuring reliable, long-life performance.

- Low loss dielectric
- 34 AWG (0.16mm) braid wire
- UL/ETL listed (non-messenger)
- RoHS compliant

# Andes<sup>TM</sup> RG-6 Coaxial Cable

## ORDERING INFORMATION

Part Number	Description (RG-6 coaxial cable)
C6-STD	Standard-Shield, 60% Braid, Black PVC Jacket, UL CMX
C6W-STD	Standard-Shield, 60% Braid, White PVC Jacket, UL CMX
C6M-STD	Standard-Shield, 60% Braid, Black PVC Jacket, Messenger
C6-TRI	Tri-Shield, 60% Braid, Black PVC Jacket, UL CMX
C6W-TRI	Tri-Shield, 60% Braid, White PVC Jacket, UL CMX
C6M-TRI	Tri-Shield, 60% Braid, Black PVC Jacket, Messenger
C6-TRI-90	Tri-Shield, 90% Braid, Black PVC Jacket, UL CMX
C6W-TRI-90	Tri-Shield, 90% Braid, White PVC Jacket, UL CMX
C6M-TRI-90	Tri-Shield, 90% Braid, Black PVC Jacket, Messenger
C6-QUAD	Quad-Shield, 60% + 40% Braid, Black PVC Jacket, UL CMX
C6W-QUAD	Quad-Shield, 60% + 40% Braid, White PVC Jacket, UL CMX
C6M-QUAD	Quad-Shield, 60% + 40% Braid, Black PVC Jacket, Messenger

## SPECIFICATIONS

CONSTRUCTION	STD	TRI	QUAD
<b>Center Conductor Material</b>			
Center Conductor Material	Copper-clad steel wire, bonded to dielectric		
Size	0.040 in / 1.02 mm		
<b>Dielectric</b>			
Material	Foam, High-Density Polyethylene (HDPE)		
Diameter over dielectric	0.180 in / 4.57 mm		
<b>Shielding</b>			
Foil	Aluminum / Polyester / Aluminum, bonded to dielectric		
Braid	Aluminum, 60% coverage (optional 90%)		
Foil	Not applicable	Aluminum / Polyester	Aluminum / Polyester
Braid	Not applicable	Not applicable	Aluminum, 35% coverage
<b>Jacket</b>			
Material	Poly vinyl chloride (PVC)		
Diameter over jacket	0.270 in / 6.86 mm	0.273 in / 6.93 mm	0.295 in / 7.49 mm
Thickness	0.030 in / 0.76 mm	0.030 in / 0.76 mm	0.030 in / 0.76 mm
Color	Black or white		
<b>Messenger Wire (optional)</b>			
Material	Galvanized steel		
Diameter	.051 in / 1.30 mm		
<b>PROPERTIES</b>			
Jacket Spark Test Voltage (rms)	2500 V		
Dielectric Withstand Voltage	1500 VAC		
Cable Impedance	75 ohms		
Capacitance	53 pF/m		
Velocity of Propagation	83%		
<b>DC Resistance (ohms/x)</b>			
Inner conductor	102 ohms/km		
Outer conductor, 60% braid	42 ohms/km	42 ohms/km	28 ohms/km
<b>Return Loss (5 to 1,000 MHz)</b>	20 dB		
<b>Temperature Rating</b>	-20° C to 60° C		
<b>Packaging</b>	1000 ft (305 m) reel		
<b>ATTENUATION (nominal)</b>			
<b>Frequency</b>	<b>dB / 100 ft</b>	<b>dB / 100 m</b>	
5 MHz	0.76	2.50	
42 MHz	1.40	4.60	
55 MHz	1.60	5.25	
85 MHz	1.60	5.25	
250 MHz	3.30	10.82	
300 MHz	3.55	11.64	
350 MHz	3.85	12.63	
400 MHz	4.15	13.61	
450 MHz	4.40	14.43	
500 MHz	4.66	15.29	
550 MHz	4.90	16.08	
600 MHz	5.10	16.73	
750 MHz	5.65	18.54	
870 MHz	6.11	20.04	
950 MHz	6.53	21.42	
1000 MHz	6.70	21.98	
<b>REGULATORY COMPLIANCE/CERTIFICATIONS</b>			
<b>Agency</b>	<b>UL/ETL Certification</b>	<b>CMX (non-messenger only)</b>	





# Andes<sup>TM</sup> RG-11 Coaxial Cable

## ORDERING INFORMATION

Part Number	Description (RG-11 coaxial cable)
C11-STD	Standard-Shield, 60% Braid, Black PVC Jacket, UL CMX
C11W-STD	Standard-Shield, 60% Braid, White PVC Jacket, UL CMX
C11M-STD	Standard-Shield, 60% Braid, Black PVC Jacket, Messenger
C11-TRI	Tri-Shield, 60% Braid, Black PVC Jacket, UL CMX
C11W-TRI	Tri-Shield, 60% Braid, White PVC Jacket, UL CMX
C11M-TRI	Tri-Shield, 60% Braid, Black PVC Jacket, Messenger
C11-TRI-90	Tri-Shield, 90% Braid, Black PVC Jacket, UL CMX
C11W-TRI-90	Tri-Shield, 90% Braid, White PVC Jacket, UL CMX
C11M-TRI-90	Tri-Shield, 90% Braid, Black PVC Jacket, Messenger
C11-QUAD	Quad-Shield, 60% + 40% Braid, Black PVC Jacket, UL CMX
C11W-QUAD	Quad-Shield, 60% + 40% Braid, White PVC Jacket, UL CMX
C11M-QUAD	Quad-Shield, 60% + 40% Braid, Black PVC Jacket, Messenger

## SPECIFICATIONS

CONSTRUCTION	STD	TRI	QUAD
<b>Center Conductor Material</b>			
Center Conductor Material	Copper-clad steel wire, bonded to dielectric		
Size	0.064 in / 1.63 mm		
<b>Dielectric</b>			
Material	Foam, High-Density Polyethylene (HDPE)		
Diameter over dielectric	0.280 in / 7.11 mm		
<b>Shielding</b>			
Foil	Aluminum / Polyester / Aluminum, bonded to dielectric		
Braid	Aluminum, 60% coverage (optional 90%)		
Foil	Not applicable	Aluminum / Polyester	Aluminum / Polyester
Braid	Not applicable	Not applicable	Aluminum, 35% coverage
<b>Jacket</b>			
Material	Poly vinyl chloride (PVC)		
Diameter over jacket	0.395 in / 10.03 mm	0.395 in / 10.03 mm	0.405 in / 10.29 mm
Thickness	0.042 in / 1.07 mm	0.039 in / 0.99 mm	0.037 in / 0.94 mm
Color	Black or white		
<b>Messenger Wire (optional)</b>			
Material	Galvanized steel		
Diameter	.072 in / 1.83 mm		
<b>PROPERTIES</b>			
Jacket Spark Test Voltage (rms)	2500 V		
Dielectric Withstand Voltage	1500 VAC		
Cable Impedance	75 ohms		
Capacitance	53 pF/m		
Velocity of Propagation	83%		
<b>DC Resistance (ohms/x)</b>			
Inner conductor	40 ohms/km		
Outer conductor, 60% braid	30 ohms/km	30 ohms/km	21 ohms/km
Return Loss (5 to 1,000 MHz)	20 dB		
Temperature Rating	-20° C to 60° C		
Packaging	1000 ft (305 m) reel		
<b>ATTENUATION (nominal)</b>			
Frequency	<b>dB / 100 ft</b>	<b>dB / 100 m</b>	
5 MHz	0.46	1.50	
42 MHz	0.91	2.98	
55 MHz	1.02	3.36	
85 MHz	1.27	4.18	
250 MHz	2.14	7.01	
300 MHz	2.34	7.68	
350 MHz	2.53	8.29	
400 MHz	2.70	8.87	
450 MHz	2.87	9.40	
500 MHz	3.02	9.92	
550 MHz	3.17	10.40	
600 MHz	3.31	10.86	
750 MHz	3.78	12.39	
870 MHz	4.07	13.34	
950 MHz	4.39	14.40	
1000 MHz	4.50	14.77	
<b>REGULATORY COMPLIANCE/CERTIFICATIONS</b>			
Agency	UL/ETL Certification	CMX (non-messenger only)	



# Andes<sup>TM</sup> RG-59 Coaxial Cable

## ORDERING INFORMATION

Part Number	Description (RG-59 coaxial cable)
C9-STD	Standard-Shield, 60% Braid, Black PVC Jacket, UL CMX
C9W-STD	Standard-Shield, 60% Braid, White PVC Jacket, UL CMX
C9M-STD	Standard-Shield, 60% Braid, Black PVC Jacket, Messenger
C9-TRI	Tri-Shield, 60% Braid, Black PVC Jacket, UL CMX
C9W-TRI	Tri-Shield, 60% Braid, White PVC Jacket, UL CMX
C9M-TRI	Tri-Shield, 60% Braid, Black PVC Jacket, Messenger
C9-QUAD	Quad-Shield, 60% + 35% Braid, Black PVC Jacket, UL CMX
C9W-QUAD	Quad-Shield, 60% + 35% Braid, White PVC Jacket, UL CMX
C9M-QUAD	Quad-Shield, 60% + 35% Braid, Black PVC Jacket, Messenger

## SPECIFICATIONS

CONSTRUCTION	STD	TRI	QUAD
<b>Center Conductor Material</b>			
Center Conductor Material	Copper-clad steel wire, bonded to dielectric		
Size	0.032 in / 0.81 mm		
<b>Dielectric</b>			
Material	Foam, High-Density Polyethylene (HDPE)		
Diameter over dielectric	0.144 in / 3.66 mm		
<b>Shielding</b>			
Foil	Aluminum / Polyester / Aluminum, bonded to dielectric		
Braid	Aluminum, 60% coverage		
Foil	Not applicable	Aluminum / Polyester	Aluminum / Polyester
Braid	Not applicable	Not applicable	Aluminum, 35% coverage
<b>Jacket</b>			
Material	Poly vinyl chloride (PVC)		
Diameter over jacket	0.240 in / 6.10 mm	0.240 in / 6.10 mm	0.260 in / 6.60 mm
Thickness	0.032 in / 0.81 mm	0.030 in / 0.76 mm	0.032 in / 0.81 mm
Color	Black or white		
<b>Messenger Wire (optional)</b>			
Material	Galvanized steel		
Diameter	.051 in / 1.30 mm		
<b>PROPERTIES</b>			
Jacket Spark Test Voltage (rms)	2500 V		
Dielectric Withstand Voltage	1500 VAC		
Cable Impedance	75 ohms		
Capacitance	53 pF/m		
Velocity of Propagation	83%		
<b>DC Resistance (ohms/x)</b>			
Inner conductor	161 ohms/km		
Outer conductor, 60% braid	39 ohms/km	39 ohms/km	28 ohms/km
Return Loss (5 to 1,000 MHz)	20 dB		
Temperature Rating	-20° C to 60° C		
Packaging	1000 ft (305 m) reel		
<b>ATTENUATION (nominal)</b>			
Frequency	dB / 100 ft	dB / 100 m	
5 MHz	1.01	3.32	
42 MHz	1.91	6.27	
55 MHz	2.62	6.95	
85 MHz	2.57	8.43	
250 MHz	4.15	13.60	
300 MHz	4.50	14.75	
350 MHz	4.84	15.89	
400 MHz	5.18	16.98	
450 MHz	5.49	18.02	
500 MHz	5.79	18.99	
550 MHz	6.07	19.92	
600 MHz	6.33	20.78	
750 MHz	7.09	23.27	
870 MHz	7.68	25.21	
950 MHz	8.06	26.45	
1000 MHz	8.27	27.14	
<b>REGULATORY COMPLIANCE/CERTIFICATIONS</b>			
Agency	UL/ETL Certification	CMX (non-messenger only)	

STANDARD-SHIELD

QUAD-SHIELD



## CONTACT INFORMATION

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TRS-SHIELD

WITH MESSENGER



# Andes™

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## PRODUCT SELECTION GUIDE



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