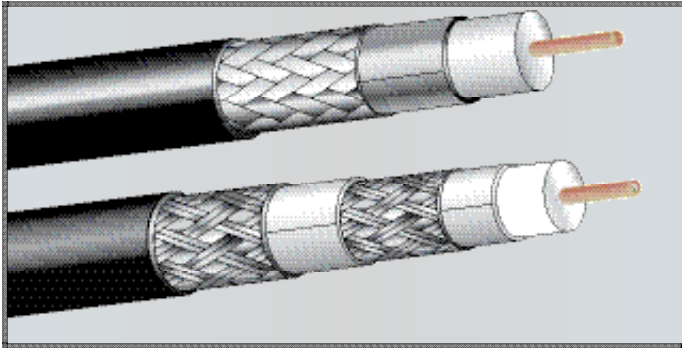


# Coaxial Cables

**WEST PENN WIRE**



**West Penn Wire** is one of the leading manufacturers of Coaxial cables in the world. Our innovative lines of coaxial cables include Community Antenna Television (CATV), Master Antenna Television (MATV), Closed Circuit Television (CCTV), Pro-Video System Cables, SDI- Digital Cables, Broadcast System Cables, and RF Coaxial Cables.

For more detailed information on our Coaxial cables, contact our Customer Service Department at **1-800-245-4964**, or e-mail us at **sales@westpenn-wpw.com**. Information can also be found on our website- **www.westpenn-wpw.com**

## Mini Index

### CATV/ MATV Broadband Cables

RG59/U Type Plenum.....	65
RG6/U Type.....	62-64
RG6/U Type Plenum.....	65
RG11/U Type.....	66
RG11/U Type Plenum.....	67

### CCTV Security Cables

MiniMax® Miniature CCTV Cable.....	68
RG59/U Type .....	69
RG59/U Type Siamese Construction.....	70
RG59/U Type Plenum .....	71
RG6/U Type .....	72
RG6/U Type Plenum & Burial.....	73
RG11/U Type Non-Plenum /Plenum .....	74
Pan Tilt Zoom (PTZ) .....	76
Pan Tilt Zoom (PTZ) Plenum .....	77

### Video over UTP - V/Cat

Video Over UTP .....	75
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### Miscellaneous Cables

RF Transmission 50 Ohm Cables.....	78
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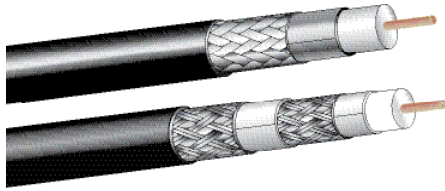
Over 95% of West Penn Wire cables are RoHS Compliant. For a detailed specification on individual products, contact our engineering department.

# Coaxial Cables

**WEST PENN WIRE**

**CATV/MATV**  
RG6/U Type

**Applications:**  
• CATV / MATV



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding & % Coverage	Jacket Type	Nom. O.D.	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
			Inches			Inches				
841	CATV CL2	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE†	Bifoil* 100% + Alum. Braid 65%	PVC	.254	16.2 pf/ft	82%	75Ω	Black, White
			.180							
6100	CATV	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE†	Bifoil* 100% + Alum. Braid 61%	PVC	.254	16.2 pf/ft	82%	75Ω	Black, White
			.180							

## Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	1.8 GHz	2.25 GHz	3 GHz
Non-Plenum RG6/U Gas Injected PE	>23dB >21dB	.57	1.45	1.85	3.07	3.85	4.62	5.40	6.3	8.05	8.85	9.99	11.9

**Notes:**

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested, 0.3MHz to 3GHz

# Coaxial Cables

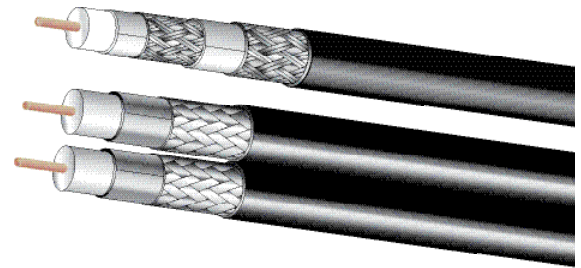
WEST PENN WIRE

## CATV/MATV

RG6/U Type

### Applications:

- CATV / MATV



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
AQC841 Aquaseal	CM CL2	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* 100% + Al. Braid 65%	Sunlight Resistant PVC	.275	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F56AQ "F" Compression - CN-FSNS-6				
6140 Flooded Burial	--	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bonded Bifoil*100% Al. Braid 61% Flooding	Sunlight Resistant PE	.275	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F56AQ "F" Compression - CN-FSNS-6				
6150 Dual	CATV	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bonded Bifoil*100% Al. Braid 61%	PVC	.275 x .595	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F56ALM "F" Compression - CN-FSNS-6				
6500 Dual Quad-Shield	CATV	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Quad-Shield Bifoil* Al. Braid 60% Bifoil* Al. Braid 40%	PVC	.305 x .620	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F56ALX "F" Compression - CN-FSNSQS-6				

## Electrical Specifications

See Page 62

### Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

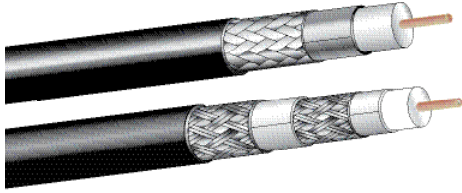
100% Sweep Tested, 0.3MHz to 3GHz

# Coaxial Cables

WEST PENN WIRE

**CATV/MATV**  
RG6/U Type

**Applications:**  
• CATV / MATV



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D.	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
						Inches				
HQ841 Quad-Shield	CATV	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* +Al. Braid + Bifoil* + Al. Braid	PVC	.285	16.2 pf/ft	82%	75Ω	Black, White
HQ841R Quad-Shield	CATVR	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* +Al. Braid + Bifoil* + Al. Braid	PVC	.285	16.2 pf/ft	82%	75Ω	Black
Q841 Quad-Shield	CATV CL2	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	PVC	.283	16.2 pf/ft	82%	75Ω	Black
6300 Quad-Shield	CATV	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bonded Bifoil* +Al. Braid 60% + Bifoil* + Al. Braid 40%	PVC	.295	16.2 pf/ft	82%	75Ω	Black, White
6310 Quad-Shield Outdoor	-	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bonded Bifoil* +Al. Braid 60% + Bifoil* + Al. Braid 40%	Sunlight Resistant PE	.295	16.2 pf/ft	82%	75Ω	Black

## Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	1.8 GHz	2.25 GHz	3 GHz
Non-Plenum RG6/U Gas Injected PE	>23dB >21dB	.57	1.45	1.85	3.07	3.85	4.62	5.40	6.3	8.05	8.85	9.99	11.9

**Notes:**

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sween Tested. 0.3MHz to 3GHz

# Coaxial Cables

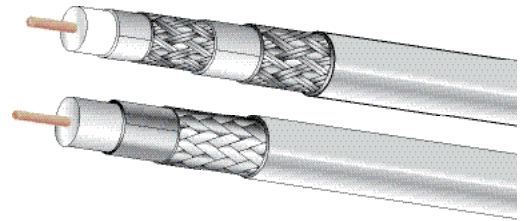
## CATV/MATV

RG59/U & RG6/U Type Plenecon® PLENUM Cables

WEST PENN WIRE

### Applications:

- CATV / MATV - Plenum



Standard spool size 1000ft.

### RG59/U Plenum

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
25843	CATVP CL2P	20 AWG (Solid) BC 10.1 Ω/M'	Foam FEP .138	Bifoil* + Alum. Braid 90%	Flex. Plenum	.210	16.2 pf/ft	82%	75Ω	Ivory
						Connectors "F" Type- CN-F59TFE/WP				
25Q843	CATVP CL2P	20 AWG (Solid) BC 10.1 Ω/M'	Foam FEP .138	Bifoil* +Al. Braid 65% + Al. Braid 55%	Flex. Plenum	.240	16.2 pf/ft	82%	75Ω	Ivory
						Connectors "F" Type- CN-F59ALX				

### RG6/U Plenum

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
25841	CATVP CL2P	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170	Bifoil* 100 + Alum. Braid 90%	Flex. Plenum	.244	16.2 pf/ft	82%	75Ω	Ivory
						Connectors "F" Type- CN-F56TFE "F" Compression - CN-CSF-6				
25Q841	CATVP CL2P	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170	Bifoil* +Al. Braid 65% + Al. Braid 55%	Flex. Plenum	.273	16.2 pf/ft	82%	75Ω	Ivory
						Connectors "F" Type- CN-F56ALM "F" Compression - CN-CSF-6				

### Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	2 GHz	2.25 GHz	3 GHz
Plenum RG59/U Foam FEP	>23dB >21dB	.55	1.9	2.5	3.4	5.3	5.8	7.9	9.2	11.7	14.2	15.06	17.39
Plenum RG6/U Foam FEP	>23dB >21dB	.45	1.6	2.0	2.9	4.5	4.9	6.6	8.0	10.3	12.6	13.36	15.42

#### Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

FEP- Teflon® Trademark of Dupont

\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

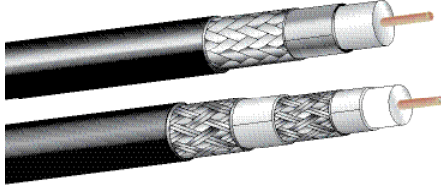
100% Sweep Tested, 0.3MHz to 3GHz

# Coaxial Cables

WEST PENN WIRE

**CATV/MATV**  
RG11/U Type

**Applications:**  
• CATV / MATV



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
1100	CATV CL2	14 AWG (Solid) CCS 11.0 Ω/M'	Gas Injected PE† .280	Bonded Bifoil* +Al. Braid 61%	PVC	.405	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F11ALX "F" Compression - CN-FSNS-11				
821	CATV CL2	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bifoil* + Al. Braid 65%	PVC	.380	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F11ALX "F" Compression - CN-FSNS-11				
1110 Flooded Burial	--	14 AWG (Solid) CCS 11.0 Ω/M'	Gas Injected PE† .280	Bonded Bifoil* +Al. Braid 61% Flooding	Sunlight Resistant PE	.405	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F11ALX "F" Compression - CN-FSNS-11				
Q821 Quad-Shield	CATV CL2	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	PVC	.415	16.2 pf/ft	82%	75Ω	Black
						Connectors "F" Type- CN-F11ALX "F" Compression - NA				

## Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	1.8 GHz	2.25 GHz	3 GHz
Non-Plenum RG11/U Gas Injected PE	>23dB >21dB	.38	.92	1.20	1.92	2.40	2.85	3.40	4.05	5.05	5.90	6.42	7.76

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested, 0.3MHz to 3GHz

# Coaxial Cables

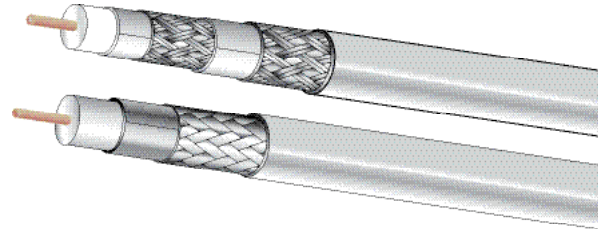
## CATV/MATV

RG11/U Type Plenecon® PLENUM Cables

WEST PENN WIRE

### Applications:

- CATV / MATV - Plenum



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
25821	CATVP CL2P	14 AWG (Solid) BC 2.6 Ω/M'	Foam FEP .280	Bifoil* + Alum. Braid 65%	Copolymer	.352	16 pf/ft	82%	75Ω	Natural
						Connectors "F" Type- CN-F11TFE "F" Compression - NA				
25Q821	CATVP CL2P Quad-Shield	14 AWG (Solid) BC 2.6 Ω/M'	Foam FEP .280	Bifoil* + Al. Braid 60% + Bifoil* + Al. Braid 40%	Copolymer	.385	16 pf/ft	82%	75Ω	Natural
						Connectors "F" Type- CN-F11TFE "F" Compression - NA				

### Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz 1GHz- 3GHz	Attenuation (db/100ft)											
		5 MHz	55 MHz	100 MHz	270 MHz	400 MHz	550 MHz	750 MHz	1 GHz	1.45 GHz	2 GHz	2.25 GHz	3 GHz
Plenum RG11/U  Foam FEP	>23dB >21dB	.25	1.0	1.5	2.0	2.98	3.5	4.9	5.5	6.0	7.5	7.95	9.19

**Notes:**

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

FEP- Teflon® Trademark of Dupont

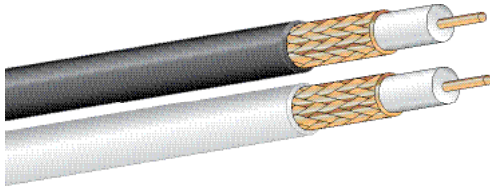
\*-Bifoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested, 0.3MHz to 3GHz

# Coaxial Cables

WEST PENN WIRE

**CCTV/ Security Video**  
Minimax Miniature



## Applications:

- CCTV
- Security Baseband Video

Standard pool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Colors
825	CM CL2	25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bare Copper Braid 95%	PVC	.146	16.2 pf/ft	82%	75Ω	Colors See Below
25825	CMP CL2P	25 AWG (Solid) BC 30Ω/M'	Foam FEP .078	Bare Copper Braid 95%	Flex Plenum	.146	16.2 pf/ft	82%	75Ω	Colors See Below
45825	CM	25 AWG (Solid) BC 30Ω/M'	Gas Injected PE† .085	Bare Copper Braid 95%	PVC	.146 x .302	16.2 pf/ft	82%	75Ω	Black, White
						Connectors 75Ω 3 Pc. BNC - CN-BM74-18 75Ω Compression BNC - CN-CSBNC-25				

**Jacket Colors** for 825 and 25825  
• Black • Red • Green • Blue • White • Yellow

## Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
MiniMax Non-Plenum Gas Injected PE	>23dB	.5	1.8	3.12	4.19	5.79	8.59	11.14	13.22	14.41
MiniMax Plenum Foam FEP	>23dB	.5	1.8	3.12	4.40	6.41	9.66	12.61	14.95	16.18

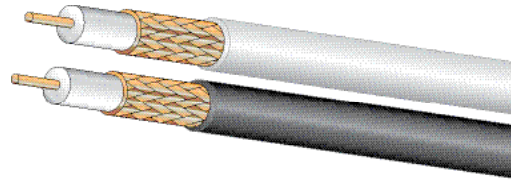
**Notes:**

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%  
†- Gas Injected Polyethylene  
100% Sween Tested



# Coaxial Cables

## CCTV/ Security Video RG59/U Type



### Applications:

- CCTV
- Security Baseband Video

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
815	CM	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .142	Bare Copper Braid 95%	PVC	.232	16.2 pf/ft	82%	75Ω	Black, White
815R	CMR	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† with Tape Barrier .142	Bare Copper Braid 95%	PVC	.232	16.2 pf/ft	82%	75Ω	Black, White
815E	CM	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .142	Copper Alloy 95%	PVC	.232	16.2 pf/ft	82%	75Ω	Black
AQC815 Aquaseal® Indoor/ Outdoor	CM CL2	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .142	Bare Copper Braid 95% Aquaseal Tape	Sunlight Resistant PVC	.242	16.2 pf/ft	82%	75Ω	Black
5990 Flooded Burial	--	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .142	Bare Copper Braid 95%	Sunlight Resistant PE	.232	16.2 pf/ft	82%	75Ω	Black
4815 Direct Burial	--	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .142	Bare Copper Braid 95%	Inner Jkt. PVC	.242	16.2 pf/ft	82%	75Ω	Black
					Outer Jkt. PE					

### Electrical Specifications

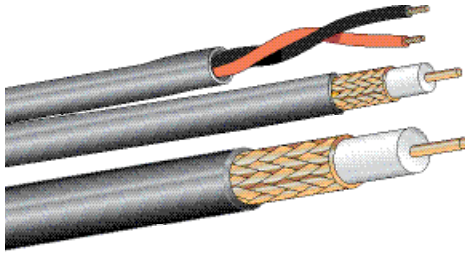
Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 MHz	10 MHz	50 MHz	150 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
RG59/U	>23dB	.29	.68	1.8	3.0	3.54	4.71	6.40	7.33	7.80
815E	>23dB	.45	.9	1.9	3.2	4.0	4.9	8.6	9.8	10.70

Notes:  
Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%  
†- Gas Injected Polyethylene

# Coaxial Cables

**WEST PENN WIRE**

**CCTV/ Security Video**  
**RG59/U Type**



## Applications:

- CCTV
- Security Baseband Video

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
<b>2815B</b>	<b>CM</b>	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .138	Bare Copper Braid 95%	PVC	.207 x .465	16.2 pf/ft	82%	75Ω	Black
Siamese Construction This cable contains 1 coax unit plus 1 pair 18 Awg.(7x26) Unshielded						Connectors 75Ω 3 Pc. BNC - CN-BM73-2 75Ω Compression BNC - CN-CSBNC-59				
<b>A2815</b>	<b>CM</b>	20 AWG (Solid) BC 10.1 Ω/M'	Gas Injected PE† .142	Bare Copper Braid 95%	PVC	.232 x .420	16.2 pf/ft	82%	75Ω	Black
Siamese Parallel Construction This cable contains 1 coax unit plus 2 Cond. 18 Awg.(7x26) Unshielded Web Construction						Connectors 75Ω 3 Pc. BNC - CN-BM73-2 75Ω Compression BNC - CN-CSBNC-59				

## Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 mHz	10 MHz	50 MHz	150 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
RG59/U	>23dB	.29	.68	1.8	3.0	3.54	4.71	6.40	7.33	7.80

**Notes:**

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

100% Sweep Tested

# Coaxial Cables

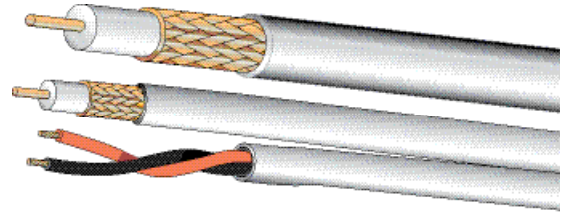
WEST PENN WIRE

## CCTV/ Security Video

RG59/U Type Plenecon® PLENUM Cables

### Applications:

- CCTV
- Security Baseband Video



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color		
25815	CMP	20 AWG (Solid) BC 10.1 Ω/M'	Foam FEP .138	Bare Copper Braid 95%	Flex. Plenum	.207	16.2 pf/ft	82%	75Ω	Ivory	Connectors	
											75Ω 3 Pc. BNC - CN-BM73-30 75Ω Compression BNC - CN-CSBNC-59	
252815	CMP	20 AWG (Solid) BC 10.1 Ω/M'	Foam FEP .138	Bare Copper Braid 95%	Flex. Plenum	.207 x .465	16.2 pf/ft	82%	75Ω	Ivory	Siamese Construction This cable contains 1 coax unit plus 1 pair 18 Awg.(7x26) Unshielded Fluoropolymer	
											Connectors 75Ω 3 Pc. BNC - CN-BM73-30 75Ω Compression BNC - CN-CSBNC-59	

### Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)									
		1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz	
Plenum RG59/U	>23dB	.30	.68	1.80	2.52	3.91	5.30	7.24	8.29	8.76	

#### Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

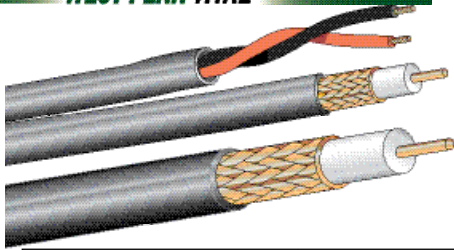
†- Gas Injected Polyethylene

100% Sweep Tested

# Coaxial Cables

**WEST PENN WIRE**

**CCTV/ Security Video**  
RG6/U Type



## Applications:

- CCTV
- Security Baseband Video

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
806	CM	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE † .180	Bare Copper Braid 95%	PVC	.270	16.2 pf/ft	82%	75Ω	Black
						Connectors 75Ω 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6				
806R NEW	CMR	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE †with Tape Barrier .180	Bare Copper Braid 95%	PVC	.270	16.2 pf/ft	82%	75Ω	Black
						Connectors 75Ω 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6				
2806B	CM	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE † .180	Bare Copper Braid 95%	PVC	.280 x .580	16.2 pf/ft	82%	75Ω	Black
Siamese Construction This cable contains 1 coax unit plus 1 pair 16 Awg. Stranded Unshielded						Connectors 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6				
AQC806 Aquaseal Indoor/ Outdoor	CM CL2	18 AWG (Solid) BC 6.5 Ω/M''	Gas Injected PE † .180	Bare Copper Braid 95% Aquaseal Tape	Sunlight Resistant PVC	.280	16.2 pf/ft	82%	75Ω	Black
						Connectors 75Ω 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6				
AQC2806 Aquaseal	CM CL2	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE † .180	B.C Braid 95% Aquaseal Tape	Sunlight Resistant PVC	.280 x .580	16.2 pf/ft	82%	75Ω	Black
Siamese Construction This cable contains 1 coax unit plus 1 pair 16 Awg. Stranded Unshielded Aquaseal Tape						Connectors 75Ω 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6				

## Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
RG6/U Non-Plenum	>23dB	.24	.52	1.18	1.83	2.73	3.95	5.38	6.13	6.45

### Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%  
† Gas Injected Polyethylene  
100% Sweep Tested

# Coaxial Cables

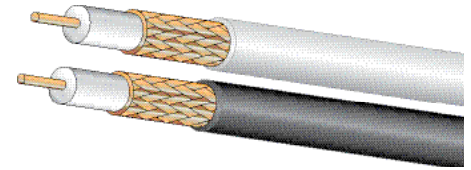
**WEST PENN WIRE**

## CCTV/ Security Video

RG6/U Type Plenecon® PLENUM Cables

### Applications:

- CCTV
- Security Baseband Video



Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
25806	CMP	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170"	Bare Copper Braid 95%	Flex. Plenum	.236"	16.2 pf/ft	82%	75Ω	Ivory
Connectors 75Ω 3 Pc. BNC - CN-BM73-4 75Ω Compression BNC - --										

### Electrical Specifications

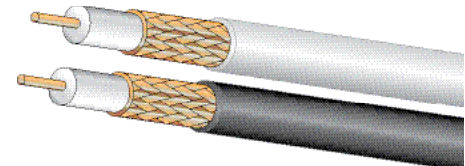
Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
Plenum RG6/U	>23dB	.24	.52	1.18	1.93	3.02	4.45	6.09	6.93	7.24

## CCTV/ Security Video

RG6/U Type Outdoor- Burial

### Applications:

- CCTV
- Security Baseband Video



### Direct Burial RG6/U Cables

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
4806 Direct Burial	--	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bare Copper Braid 95%	Inner Jkt. PVC Outer Jkt. PE	.280 .330	16.2 pf/ft	82%	75Ω	Black
Connectors 75Ω 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6										
6325 Flooded Burial	--	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bare Copper Braid 95%	Sunlight Resistant PE	.270	16.2 pf/ft	82%	75Ω	Black
Connectors 3 Pc. BNC - CN-BM73-5 75Ω Compression BNC - CN-CSBNC-6										

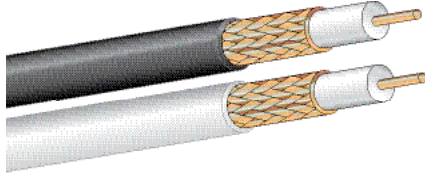
### Electrical Specifications- See Page 72

#### Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%  
100% Sweep Tested

# Coaxial Cables

**WEST PENN WIRE**



## CCTV/ Security Video RG11/U Type Non-Plenum & Plenum

### Applications:

- CCTV
- Security Baseband Video

### Non-Plenum

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
811	CL2	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bare Copper Braid 95%	PVC	.405	16.2 pf/ft	82%	75Ω	Black
						Connectors 3 Pc. BNC - CN-BM53-26 75Ω Compression BNC - CN-CSBNC-11				
4811 Direct Burial	--	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bare Copper Braid 95%	Inner Jkt. PVC Outer Jkt. PE	.405 .455	16.2 pf/ft	82%	75Ω	Black
						Connectors 3 Pc. BNC - CN-BM53-26 75Ω Compression BNC - CN-CSBNC-11				
1130 Flooded Burial	--	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bare Copper Braid 95%	Sunlight Resistant PE	.405	16.2 pf/ft	82%	75Ω	Black
						Connectors 3 Pc. BNC - CN-BM53-26 75Ω Compression BNC - CN-CSBNC-11				

### Plenum

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
25811 Plenum	CL2P	14 AWG (Solid) BC 2.6 Ω/M'	Foam FEP .280	Bare Copper Braid 95%	Copolymer	.352	16 pf/ft	82%	75Ω	Natural
						Connectors 75Ω 3 Pc. BNC - NA 75Ω Compression BNC - NA				

### Electrical Specifications

Catalog No.	Return Loss 100kHz- 1GHz	Attenuation (db/100ft)								
		1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	700 MHz	900 MHz	1 GHz
RG11/U Non-Plenum	>23dB	.16	.35	.87	1.38	1.98	2.95	4.00	4.54	4.77
RG11/U Plenum	>23dB	.16	.35	.87	1.44	2.19	3.32	4.53	5.14	5.35

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

† Gas Injected Polyethylene

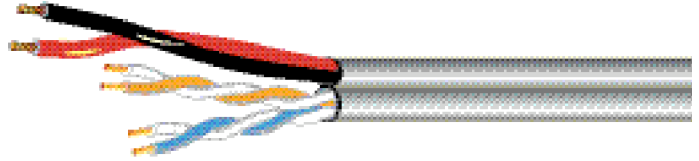
100% Sweep Tested

# Coaxial Cables

WEST PENN WIRE

## V-Cat- Video Over UTP Cables

2 Pair + 2 Conductors - Siamese Construction  
Non-Plenum and Plenum



### Applications:

- Video Over UTP

Standard spool size 1000ft.

Catalog No.	NEC Type	Cable Type & Description	Dielectric Type	Jacket Type	Nom. O.D.	Nom. Capacitance 2 Pair	Nom. VP 2 Pr.	Nom. Imp.Ω 2 Pair	Jacket Color
					Inches				
CC2418	CM	2 Pair 24 Awg Solid Category 5E Type UTP + 2 Cond. 18 Awg unshielded	Thermo-Plastic	PVC	.180 x .340	14 pf/ft	66%	100Ω	Gray
CC252418 Plenum	CMP	2 Pair 24 Awg Solid Category 5E Type UTP + 2 Cond. 18 Awg Unshielded	Plenum Thermo-Plastic	Plenum PVC	.185 x .345	14 pf/ft	66%	100Ω	Gray
CC2416	CM	2 Pair 24 Awg Solid Category 5E Type UTP + 2 Cond. 16 Awg Unshielded	Thermo-Plastic	PVC	.192 x .355	14 pf/ft	66%	100Ω	Gray
CC252416 Plenum	CMP	2 Pair 24 Awg Solid Category 5E Type UTP + 2 Cond. 16 Awg Unshielded	Plenum Thermo-Plastic	Plenum PVC	.190 x .350	14 pf/ft	66%	100Ω	Gray

### Applications:

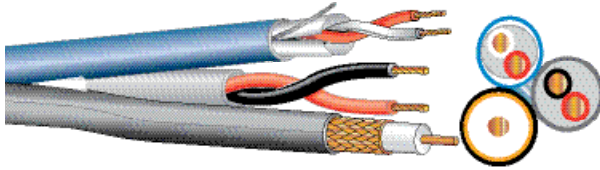
- Pair 1 - Category 5E type 100Ω - Used for Video Transmission
- Pair 2- Category 5E type 100Ω - Used for Video Transmission or Data Transmission, such as RS-422 or RS-485 or PTZ (Pan, Tilt, Zoom Controls)
- Two Conductors- 18 or 16 Awg. Solid bare copper conductors- Used for Power to the camera

# Coaxial Cables

WEST PENN WIRE

## PTZ Security Video

Minimax & RG59/U Type Composite PTZ (Pan Tilt Zoom)



### Applications:

- CCTV/ Data/ Power
- Security Baseband Video

Standard spool size 1000ft.

Catalog No.	Cable Types	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
PTZ825	CCTV Coaxial Minimax	25 AWG (Solid) BC 30 Ω/M'	Gas Inj. PE† .085	Bare Copper Braid 95%	PVC	.146	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 22 AWG (7x30) TC	PP† Insulation .008	Al. Foil 100% with drain wire	PVC	.135	34 pf/ft* 67 pf/ft**	67%	55Ω	Blue
CM	Power Control Cable	1 Pair 18 AWG (7x26) BC	PVC .010	None	PVC	.155	--	--	--	Gray

PTZ825 - Nom. O.D. .375"

Catalog No.	Cable Types	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
PTZ815	CCTV Coaxial RG59/U	20 AWG (Solid) BC 10.1 Ω/M'	Gas Inj. PE† .142	Bare Copper Braid 95%	PVC	.232	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 18 AWG (7x26) TC	PE† Insulation .018	Al. Foil 100% with drain wire	PVC	.222	24 pf/ft* 44 pf/ft**	66%	50Ω	Blue
CM	Power Control Cable	1 Pair 18 AWG (7x26) BC	PVC .010	None	PVC	.155	--	--	--	Gray

PTZ815 - Nom. O.D. .451"

Cable Types	Conductor Colors	Jacket Colors
CCTV Coaxial	--	Black
PTZ825 Data Control Cable	1.Black, 2. Red	Blue
PTZ815 Data Control Cable	1.Black, 2. Clear	Blue
Power Control Cable	1.Black, 2. Red	Gray

#### Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

100% Sweep Tested

PE- Polyethylene

PP- Polypropylene





# Coaxial Cables

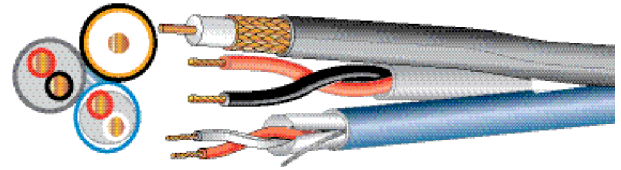
## PTZ Security Video

Minimax & RG59/U Type Composite PTZ (Pan Tilt Zoom) Plenum

WEST PENN WIRE

### Applications:

- CCTV/ Data/ Power
- Security Baseband Video



Standard spool size 1000ft.

Catalog No.	Cable Types	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
PTZ25825	CCTV Coaxial Minimax	25 AWG (Solid) BC 30 Ω/M	Foam FEP .078	Bare Copper Braid 95%	Plenum PVC	.146	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 22 AWG (7x30) TC	FEP .010	Al. Foil 100% with drain wire	Plenum PVC	.120	25 pf/ft* 45 pf/ft**	69%	55Ω	Blue
CMP	Power Control Cable	1 Pair 18 AWG (7x26) BC	Plenum PVC .010	None	Plenum PVC	.138	--	--	--	Gray

PTZ25825 - Nom. O.D. .342"

Catalog No.	Cable Types	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
PTZ25815	CCTV Coaxial RG59/U	20 AWG (Solid) BC 10.1 Ω/M'	Foam FEP .138	Bare Copper Braid 95%	Plenum PVC	.207	16.2 pf/ft	82%	75Ω	Black
	Data Control Cable	1 Pair 18 AWG (7x26) TC	FEP .010	100% Al. Foil with drain wire	Plenum PVC	.148	30 pf/ft* 54 pf/ft**	69%	45Ω	Blue
CMP	Power Control Cable	1 Pair 18 AWG (7x26) BC	Plenum PVC .010	None	Plenum PVC	.138	--	--	--	Gray

PTZ25815 - Nom. O.D. .362"

Cable Types	Conductor Colors	Jacket Colors
CCTV Coaxial	--	Black
Data Control Cable	1.Black, 2. Red	Blue
Power Control Cable	1. Black, 2. Red	Gray



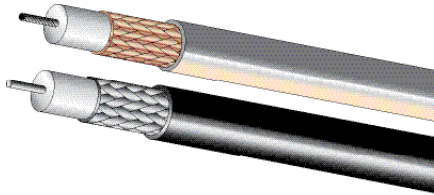
Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%  
100% Sweep Tested

# Coaxial Cables

WEST PENN WIRE

## RF Transmission 50 Ohm Coaxial RG58/U - RG58A/U and RG8/U Type



### Applications:

- RF Transmission
- Broadcast Transmission

Standard spool size 1000ft.

Catalog No.	NEC Type	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding & % Coverage	Jacket Type	Nom. O.D. Inches	Nom. Capacitance	Nom. VP	Nom. Imp. Ω	Jacket Color
812 RG58A/U Type	CM	20 (19x32) Tinned Copper 8.8 Ω/M'	Gas Injected PE† .116	Tinned Copper Braid 95%	PVC	.195	25 pf/ft	78%	50Ω	Black
						Connectors 3 Pc. BNC - CN-BM53-13				
813 RG-58/U Type	CM	20 (Solid) Tinned Copper 10.1 Ω/M'	Gas Injected PE† .116	Tinned Copper Braid 95%	PVC	.195	26 pf/ft	78%	50Ω	Black
						Connectors 1 Pc. BNC - CN-BM51-1 3 Pc. BNC - CN-BM53-13				
25812 RG-58/U Type Plenum	CMP	20 (19x32) Tinned Copper 8.8 Ω/M'	Foam FEP .102	Tinned Copper Braid 95%	Flex Plenum	.158	25 pf/ft	82%	50Ω	Ivory
						Connectors 3 Pc. BNC - CN-BM53-25				
810 RG-8/U Type	CM	13 (7x21) Bare Copper 1.9 Ω/M'	Gas Injected PE† .280	Bare Copper Braid 95%	PVC	.405	26 pf/ft	82%	50Ω	Black
						Connectors 3 Pc. BNC - CN-BM53-8 3 Pc. "N" Type - CN-NM53/110				
25810 RG-8/U Type Plenum	CL2P	13 (7x21) Bare Copper 1.9 Ω/M'	Foam FEP .280	Bare Copper Braid 95%	Copolymer	.352	25 pf/ft	82%	50Ω	Natural
						Connectors 3 Pc. BNC - CN-25810KBNC				
808F RG-8/U Type Flexible	--	10 (19x33) Bare Copper 1.15 Ω/M'	Gas Injected PE† .285	Bonded Bifoil 100% Tinned Copper Braid 90%	Poly- urethane	.405	24.5 pf/ft	84%	50Ω	Black
						Connectors 3 Pc. "N" Type - CN-NM53-808				
807 RG-8X/U Type Flexible	CM	16 (19x29) Bare Copper 4.3 Ω/M'	Gas Injected PE† .155	Bare Copper Braid 95%	PVC	.242	25 pf/ft	82%	50Ω	Black
						Connectors 3 Pc. BNC - CN-BM53-8X 3 Pc. "N" Type - CN-NM53-8X				

### Electrical Specifications:

### Attenuation (db/100ft)

CAT. NO.	1 MHz	10 MHz	50 MHz	100 MHz	200 MHz	400 MHz	900 MHz	1 GHz
812	.5	1.3	3.2	4.6	6.8	10.1	16.7	18.2
813	.6	1.5	3.5	4.8	6.9	10.2	16.8	18.3
25812	.5	1.3	3.2	4.6	6.8	10.1	16.7	18.2
810	.2	.6	1.3	1.8	2.6	3.9	6.8	7.3
25810	.2	.6	1.2	1.6	2.5	3.7	6.7	7.2
808F	.2	.6	1.1	1.5	2.0	2.9	4.5	4.8
807	.3	.9	2.1	3.1	4.5	6.6	10.7	11.2

Notes:

Standard Spool size 1000ft, spools are one piece, but lengths may vary +/- 10%

†- Gas Injected Polyethylene

100% Sweep Tested