

WEST PENN WIRE

" EXCEEDING EXPECTATIONS WITH PERFORMANCE "










Coaxial Cable
CCTV Cables

Sales and Ordering Information: 1-800-245-4964

Technical Questions: E-Mail us at info@westpenn-cdt.com
Sales Department: E-Mail us at wpwsales@westpenn-cdt.com
Web-site: www.westpenn-cdt.com

Coaxial Cable

CCTV RG-59/U Type

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhz	db/100 ft	db/100 m
814			22 (Solid) Copper Covered Steel 41 Ω /M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75	1	.7	2.3
				Gas Injected PE† with Tape Barrier									PVC jacket Color: Black		
815			20 (Solid) Bare Copper 10.1 Ω /M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75	10	1.2	3.9
				Gas Injected PE† with Tape Barrier									PVC jacket Color: Black		
816			22 (7 x 30) Bare Copper 15 Ω /M'	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75	100	2.4	7.9
				Gas Injected PE† with Tape Barrier									PVC jacket Color: Black		
815R 			20 (Solid) .032 Bare Copper 10.1 Ω /M'	.142	3.61	Bifoil* 100% Bare Copper Braid 95%	.232	5.89	16.2	53.1	83%	75	1000	13.24	14.43
				Gas Injected PE†									PVC jacket Colors: Black		

Aquaseal Coaxial cables are listed on page 54.

NOTES:

Standard spool size 1000 feet, spools are one piece, but length may vary \pm 10%

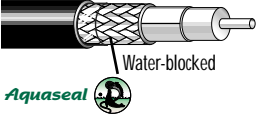
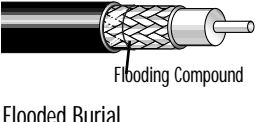
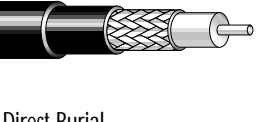

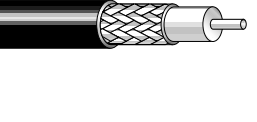
†Gas injected foam polyethylene

* BiFoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested

Coaxial Cable

RG-59/U Type CCTV

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m
AQC 815 NEW	 Water-blocked Aquaseal	CM CL2	20 (Solid) .032 Bare Copper	.142	3.61	BiFoil* 100% Bare Copper Braid 95%	.242	6.15	16.2	53.1	83%	75	Sunlight resistant PVC jacket Color: Black		
			10.1 Ω/M'	Gas Injected PE ‡			1	.29	.95						
5990	 Flooding Compound Flooded Burial	Outdoor	20 (Solid) Bare Copper	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75	Sunlight resistant polyethylene jacket Color: Black		
			10.1 Ω/M'	Gas Injected PE ‡ with Tape Barrier			1	.29	.95						
4815	 Direct Burial	Outdoor	20 (Solid) Bare Copper	.142	3.61	Bare Copper Braid 95%			16.2	53.1	82%	75			
			10.1 Ω/M'	Gas Injected PE ‡ with Tape Barrier			.242	6.15	Inner Jacket	PVC Black					
818	 Ultra Flex		22 (65 x 40) Bare Copper	.142	3.61	Bare Copper Braid 95%	.242	6.15	16.2	53.1	82%	75	TPE jacket Color: Blue		
			17 Ω/M'	Gas Injected PE ‡			1	.5	1.6						
804			22 (Solid) Copper Covered Steel	.142	3.61	Bare Copper Braid 95%	.242	6.15	22	72	66%	75	PVC jacket Color: Black		
			41 Ω/M'	Solid Polyethylene			50	2.9	9.5						

NOTES:

Standard spool size 1000 feet, spools are one piece, but length may vary ± 10%

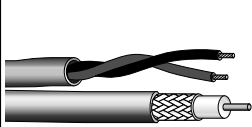

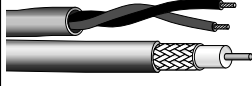



‡ Gas injected foam polyethylene

*BiFoil is an aluminum polyester aluminum tape with 100% coverage



100% Sweep Tested, 0.3MHz to 3GHz

Coaxial Cable

CCTV RG-59/U Type Siamese Cable

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m
				PVC Jacket - Color: Black											
2815B NEW	 Siamese Construction RG-59/U plus 1 pair		20 (Solid) Bare Copper	.138	3.51	Bare Copper Braid 95%	.207	5.26	16.2	53.1	82%	75	1	.29	.95
			10.1 Ω /M'	Gas Injected PE ‡ with Tape Barrier			.465	11.81					NOTE: This cable contains 1 coax unit plus 1 pair 18 AWG (7 x 26) unshielded		
													50	1.80	5.90
													100	2.4	7.9
													200	3.54	11.60
													400	4.71	15.45
													700	6.40	20.99
													900	7.33	24.04
													1000	7.80	25.58
2816	 Siamese Construction RG-59/U plus 1 pair		22 (7 x 30) Bare Copper	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75	1	.5	1.6
			15 Ω /M'	Gas Injected PE ‡ with Tape Barrier			.460	11.68					NOTE: This cable contains 1 coax unit plus 1 pair 18 AWG (7 x 26) unshielded		
													50	1.9	6.2
													100	2.4	7.9
													200	4.0	13.1
													500	7.5	24.6
													700	8.9	29.2
													1000	10.9	35.8
A2815	 Siamese Construction with separate web RG-59/U plus 2 cond.		20 (Solid) Bare Copper	.142	3.61	Bare Copper Braid 95%	.232	5.89	16.2	53.1	82%	75	1	.29	.95
			10.1 Ω /M'	Gas Injected PE ‡ with Tape Barrier			.420	10.67					NOTE: This cable contains 1 coax unit plus 1 cond. Tin 18AWG (7x26) unshielded, 1 cond. Bare 18AWG (7x26) unshielded		
													50	1.80	5.90
													100	2.4	7.9
													200	3.54	11.60
													400	4.71	15.45
													700	6.40	20.99
													900	7.33	24.04
													1000	7.80	25.58

Plenecon® Plenum Cable RG-59/U Type Siamese

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m
				PVC Plenum jacket Color: Gray											
252815	 RG-59/U plus 1 pair 18 Awg. CCTV		20 (Solid) Bare Copper	.138	3.51	Bare Copper Braid 95%	.207	5.26	16.2	53.1	82%	75	1	.30	.99
			10.1 Ω /M'	Foam FEP with Tape Barrier			.465	11.81					NOTE: This cable contains 1 coax unit plus 1 pair 18 AWG (7 x 26) unshielded		
													50	1.80	5.90
													100	2.52	8.27
													200	3.91	12.84
													400	5.30	17.38
													700	7.24	23.76
													900	8.29	27.19
													1000	8.76	28.73
			18 (7 x 26) Bare Copper	.007	.33	Twisted Pair Unshielded									
			6.6 Ω /M'	Flouropolymer											



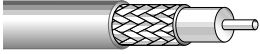

NOTES:

Standard spool size 1000 feet,
spools are one piece, but length may vary $\pm 10\%$
‡ Gas injected foam polyethylene,
100% Sweep Tested









Coaxial Cable

RG-59/U Plenum Type and MiniMax Miniature CCTV

RG59/u Plenecon® Plenum Cable Flexible

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation			
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m	
				25814	 CCTV			22 (Solid) Copper Covered Steel 41 Ω/M'	.135	3.43			Bare Copper Braid 95%	.199	5.05	16.2
							Flexible plenum jacket Color: Ivory									
25815	 CCTV		20 (Solid) Bare Copper 10.1 Ω/M'	.138	3.51	Bare Copper Braid 95%	.207	5.26	16.2	53.1	82%	75	1 10 50 100 200 400 700 900 1000	.30 .68 1.80 2.52 3.91 5.30 7.24 8.29 8.76	.99 2.23 5.90 8.27 12.84 17.38 23.76 27.19 28.73	
							Flexible plenum jacket Color: Ivory									

Minimax Miniature 75 Ω CCTV Video Coax

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation			
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m	
				825	 MINIMAX Miniature Coax Pro Video		 	25 (Solid) Bare Copper 30 Ω/M'	.085	2.16			Bare Copper Braid 95%	.146	3.71	16.2
							PVC jacket Colors: Black, Red, Green, Blue, White, Yellow									
25825	 MINIMAX Miniature Coax Pro Video	 	25 (Solid) Bare Copper 30 Ω/M'	.078	1.98	Bare Copper Braid 95%	.146	3.71	16.2	53.1	80%	75	1 10 50 100 200 400 700 900 1000	.5 1.80 3.12 4.40 6.41 9.66 12.61 14.95 16.18	1.64 5.90 10.23 14.43 21.03 31.70 41.36 49.04 53.07	
							Flexible plenum jacket Colors: Black, Red, Green, Blue, White, Yellow									
45825	 Siamese Construction Minimax Coax plus 1 Pair Shielded		25 (Solid) Bare Copper 30 Ω/M'	.085	2.16	Bare Copper Braid 95%	.146 X .302	3.71 X 7.67	16.2	53.1	82%	75	1 10 50 100 200 400 700 900 1000	.5 1.80 3.12 4.19 5.79 8.59 11.14 13.22 14.41	1.64 5.90 10.23 13.75 19.00 28.18 36.53 43.36 47.26	
							PVC jacket - Colors: Black, White									
							NOTE: This cable contains 1 coax unit plus 1 pair 22 AWG shielded									

NOTES:



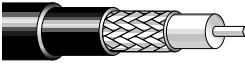
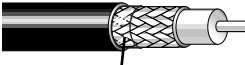


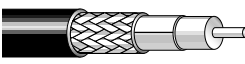

Standard spool size 1000 feet, spools are one piece, but length may vary ± 10%

‡ Gas injected foam polyethylene

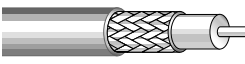

* BiFoil is an aluminum polyester aluminum tape with 100% coverage
100% Sweep Tested

Coaxial Cable

CCTV RG-6/U Type

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation								
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m						
806			18 (Solid) Bare Copper 6.5 Ω /M'	.180	4.57	Bare Copper Braid 95%	.270	6.86	16.2	53.1	82%	75	1	.24	.78						
				Gas Injected PE ‡ with Tape Barrier										PVC jacket Color: Black							
4806		Outdoor	18 (Solid) Bare Copper 6.5 Ω /M'	.180	4.57	Bare Copper Braid 95%			16.2	53.1	82%	75	1	.24	.78						
				Gas Injected PE ‡ with Tape Barrier																	
					.280		7.11	Inner Jacket	PVC Black								10	.52	1.71		
					.330		8.38	Outer Jacket	Polyethylene Black								50	1.18	3.85		
6325		Outdoor	18 (Solid) Bare Copper 6.5 Ω /M'	.180	4.57	Bare Copper Braid 95%	.270	6.86	16.2	53.1	82%	75	1	.24	.78						
				Gas Injected PE ‡ with Tape Barrier										Sunlight resistant polyethylene jacket Color: Black							
2806B			18 (Solid) .040 Bare Copper 6.5 Ω /M'	.180	4.57	BiFoil* 100% plus Bare Copper Braid 95%	.280	7.11	16.2	53.1	82%	75	1	.24	.78						
				Gas Injected PE ‡										X	X						
				NEW Siamese Construction										.580	14.73						
				RG6/U + 1 pair 16 AWG										PVC Jacket - Black			Note: Contains 1 Coaxial Unit plus 1 pair 16 AWG Stranded Unshielded				
6373			18 (Solid) Bare Copper 6.5 Ω /M'	.180	4.57	BiFoil* 100% plus Tinned Copper Braid 61%	.270	6.86	16.2	53.1	82%	75	1	.24	.78						
				Gas Injected PE ‡										PVC jacket Color: Black							

Plenecon® Plenum Cable Extra Flexible RG-6/U Type





Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m
25806			18 (Solid) Bare Copper 6.5 Ω /M'	.170	4.32	Bare Copper Braid 95%	.236	5.99	16.2	53.1	82%	75	1	.24	.78
				Foam FEP with Tape Barrier										Flexible plenum jacket Color: Ivory	
													10	.52	1.71
													50	1.18	3.85
													100	1.93	6.32
													200	3.02	9.91
													400	4.45	14.59
													700	6.09	19.98
													900	6.93	22.73
													1000	7.24	23.75

NOTES:


Standard spool size 1000 feet,
spools are one piece, but length may vary 10%
‡ Gas injected foam polyethylene,
100% Sweep Tested

Coaxial Cable

RG-11/U Type CCTV

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m
811		CL2	14 (Solid) Bare Copper 2.6 Ω /M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	16.2	53.1	82%	75	1	.16	.51
				Gas Injected PE ‡ with Tape Barrier									PVC jacket Color: Black		
4811	Direct Burial 	Outdoor	14 (Solid) Bare Copper 2.6 Ω /M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	16.2	53.1	82%	75	1	.16	.51
				Gas Injected PE ‡ with Tape Barrier									Inner Jacket PVC Black		
1130	Flooded Burial 	Outdoor	14 (Solid) Bare Copper 2.6 Ω /M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	16.2	53.1	82%	75	1	.16	.51
				Gas Injected PE ‡ with Tape Barrier									Polyethylene jacket Color: Black		
801			18 (7 x 26) Tinned Copper 2.6 Ω /M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	22	72	66%	75	100	2.0	6.6
				Solid Polyethylene									PVC jacket Color: Black		

Plenecon® Plenum Cable RG-11/U Type

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mhZ	db/100 ft	db/100 m
25811	CCTV RG-11/U Type 	CL2P	14 (Solid) Bare Copper 2.6 Ω /M'	.280	7.11	Bare Copper Braid 95%	.352	8.94	16	52	82%	75	1	.16	.51
				Foam FEP									Copolymer jacket Color: Natural		

NOTES:

Standard spool size 1000 feet, spools are one piece, but length may vary \pm 10%

‡ Gas injected foam polyethylene

* BiFoil is an aluminum polyester aluminum tape with 100% coverage

100% Sweep Tested

Twisted Pair Video Cables

V/CAT Cables - Video Over UTP

West Penn Wire introduces its new line of UTP security cables. V/CAT (Video over Category 5E cables) are designed for the video over UTP applications. The cables are constructed with two pairs of UTP Category 5E type, and two conductors of either 18 or 16 Awg.

- Pair 1 - Category 5E Type 100Ω
Category 5E type. The first pair is used for video transmission.
- Pair 2 - Category 5E Type 100Ω
Category 5E type. The second pair is for video transmission or data transmission, such as RS-422 or RS-485 or PTZ for the cameras.
- Two Conductors - The 18 or 16 Awg. solid bare conductors are used to carry power to the cameras.

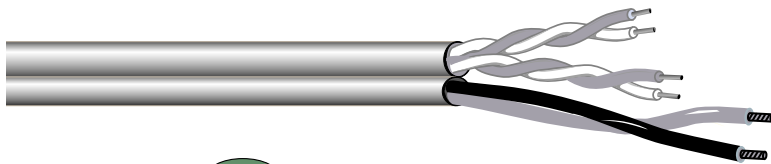
V/CAT Unshielded twisted pairs are 100 Ω balanced cables. The UTP's are tightly twisted to prevent outside interference (EMI/RFI) and internal interference from the other pair, and conductors.

V/CAT power carrying conductors are available in either 18 Awg. or 16 Awg. The 16 Awg. conductors are used for extremely long video over UTP runs.

V/CAT cables are available in Plenum or Riser constructions. The cables carry UL and C(UL) listing CMR and/or CMP.

V/CAT Characteristics:






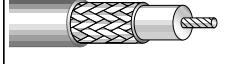

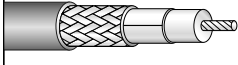


- Send power and video signals over the same shared sheath.
- Supports: Video/ PTZ/ Power
Two video / Power
- Plenum and Riser constructions



NEW

Catalog No. & Rating	Cable Type	NEC Rating	Dielectric Material	Jacket Type Nom. Cable O.D.		Nom. Ω 2 pair UTP	2 pair Nom. Capacitance	
				inch	mm.		pf/ft	pf/m
CC2418	2 Pair 24 Awg. UTP 2 Cond. 18 Awg. Unshielded		Thermoplastic	.185	4.70	100 Ω	14	46
				PVC - Gray				
CC252418	2 Pair 24 Awg. UTP 2 Cond. 18 Awg. Unshielded		Plenum Thermoplastic	.181	4.60	100 Ω	14	46
				Plenum - Gray				
CC2416	2 Pair 24 Awg. UTP 2 Cond. 16 Awg. Unshielded		Thermoplastic	.196	5.00	100 Ω	14	46
				PVC - Gray				
CC252416	2 Pair 24 Awg. UTP 2 Cond. 16 Awg. Unshielded		Plenum Thermoplastic	.192	4.90	100 Ω	14	46
				Plenum - Gray				

Miscellaneous Cable RF Transmission/ Broadcast

Catalog No.	Description	NEC Type	AWG Size Stranding Nom. D.C.R.	Insulation Nom. O.D.		Shield Type and % Coverage	Nom. Cable O.D. Jacket Type		Nominal Capacitance		Nom. Vel. of Prop.	Nom. Imp. Ω	Nom. Attenuation		
				inch	mm		inch	mm	pf/ft	pf/m			mbz	db/100 ft	db/100 m
812	 RG-58A/U Type		20 (19 x 32) Tinned Copper 8.8 Ω /M'	.116	2.95	Tinned Copper Braid 95%	.195	4.95	25	82	78%	50	50	3.5	11.5
				Foam Polyethylene									PVC jacket Color: Black		
813	 RG-58/U Type		20 (Solid) Tinned Copper 10.1 Ω /M'	.116	2.95	Tinned Copper Braid 95%	.195	4.95	26	85	78%	50	50	3.2	10.5
				Foam Polyethylene									PVC jacket Color: Black		
25812	 RG-58/U Type		20 (19 x 32) Tinned Copper 8.8 Ω /M'	.102	2.59	Tinned Copper Braid 95%	.158	4.01	25	82	82%	50	10	1.4	4.6
				Foam FEP									Flexible Plenum jacket Color: Ivory		
810	 RG-8/U Type		13 (7x21) Bare Copper 1.9 Ω /M'	.280	7.11	Bare Copper Braid 95%	.405	10.29	26	85	82%	50	50	1.3	4.3
				Gas injected PE									PVC jacket Color: Black		
25810	 RG-8/U Type		13 (7x21) Bare Copper 1.9 Ω /M'	.280	7.11	Bare Copper Braid 95%	.352	8.94	25	82	82%	50	50	.94	.7
				Foam FEP									Copolymer Color: Natural		
808F	 RG-8/U Type Flexible Design		10 (19x23) Bare Copper 1.15 Ω /M'	.285	7.24	Bonded Bifoil 100% + Tinned Copper Braid 90%	.405	10.29	24.5	80.4	84%	50	1	.2	.7
				Gas injected PE									Polyurethane Jacket Color: Black		
807	 RG-8/X Type Flexible Design		16 (19x29) Bare Copper 4.3 Ω /M'	.155	3.94	Bare Copper Braid 95%	.242	6.15	25	82	82%	50	1	.3	1.0
				Gas injected PE									PVC jacket Color: Black		

NOTES:

Standard spool size 1000 feet, spools are one piece, but length may vary \pm 10%

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

100% Sweep Tested