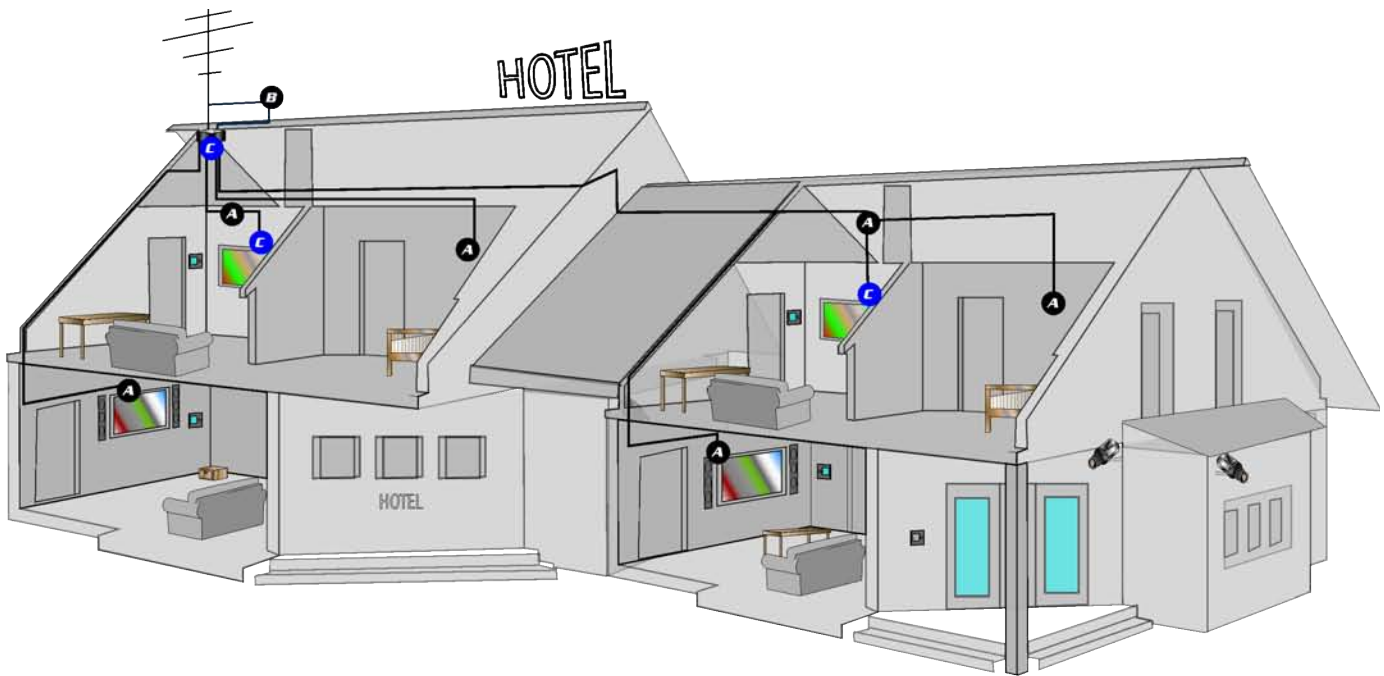


**Application is the key.** Many times a system calls out for a particular coaxial cable, for example RG6/U. This system may be compromised unless the appropriate cable is selected and installed. For a MATV/CATV system, a cable that will contain broadband signals and block unwanted RFI is recommended. Before you install a coaxial system, you need to match the cable to the system. It will make a difference.



## PRODUCT INDEX:

- Bare Copper Center conductor design for a broader frequency range.
- Sweep test to a minimum of 3GHZ.
- Plenum design
- Non-Plenum design
- Indoor/Outdoor design
- Outdoor direct burial design
- CATV Accessories
  - "F" Connectors
  - Cable Assemblies
  - Installation Tools
  - Racks/Cabinets



### CATV/ MATV Broadband Cables

RG6/U Type.....	206-208
RG6/U Type Plenum.....	209
RG11/U Type.....	210
RG11/U Type Plenum.....	211



### CATV ACCESSORIES

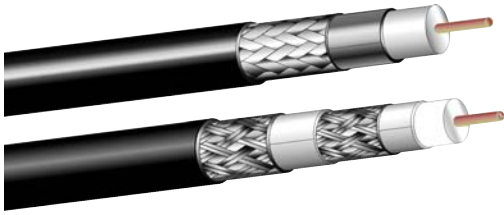
"F" Type Connectors .....	212
"F" Type Adaptors .....	212
CATV Installation Tools .....	213
Patch Panels and Racks .....	214
CATV Baluns and Adaptor.....	214

# CATV/MATV RG6/U

## 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
841	CATV CM	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* 100% + Alum. Braid 65%	PVC	.265	16.2 pf/ft	82%	75Ω	Black, White
6100	CATV	18 AWG (Solid) CCS 28.0 Ω/M'	Gas Injected PE† .180	Bifoil* 100% + Alum. Braid 61%	PVC	.265	16.2 pf/ft	82%	75Ω	Black, White

### CATV/MATV Accessories

See Page 212-214

### 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

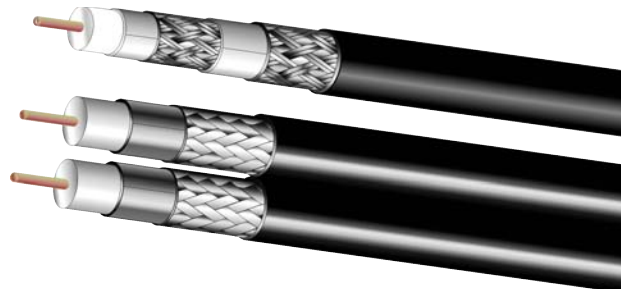
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# CATV/MATV RG6/U

## 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	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* 100% + Waterblock tape Al. Braid 65%	Sunlight Resistant PVC	.275	16.2 pf/ft	82%	75Ω	Black	<b>Underground- In-Conduit</b>			
											Connector Type "F" Type "F" Compression	Connector CN-F56AQ CN-F6MVCV	Strip Tool TL-7502 TL-CSST	Crimp/Comp Tool TL-111 TL-548G
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	Connector Type	Connector	Strip Tool	Crimp/Comp Tool
											"F" Type "F" Compression	CN-F56AQ CN-F6MVCV	TL-7502 TL-CSST	TL-111 TL-548G

### Electrical Specifications

See Page 204

### CATV/MATV Accessories

See Page 212-214

#### 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

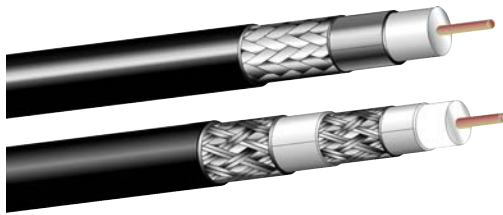
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# CATV/MATV RG6/U QUAD-SHIELD

## 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 60%+ Bifoil* + Al. 40% Braid	PVC	.295	16.2 pf/ft	82%	75Ω	Black, White
Q841 Quad-Shield	CATV CM	18 AWG (Solid) BC 6.5 Ω/M'	Gas Injected PE† .180	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	PVC	.295	16.2 pf/ft	82%	75Ω	Black, White
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

### CATV/MATV Accessories

See Page 212-214

### 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

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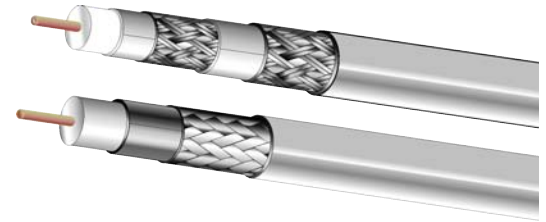
# CATV/MATV RG6/U PLENUM

## CATV/MATV

### RG6/U Type Plenecon® PLENUM Cables

#### Applications:

- CATV / MATV - Plenum



Standard pool size 1000ft.

#### 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	CMP	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170	Bifoil* 100 + Alum. Braid 77%	Flex.	.237	16.2 pf/ft	82%	75Ω	Ivory
					Plenum					
256100	CATVP CMP	18 AWG CCS 28 Ω/M'	Foam FEP .170	Bifoil* 100 + Alum. Braid 60%	Flex.	.237	16.2 pf/ft	82%	75Ω	Ivory
					Plenum					
25Q841 Quad-Shield	CATVP CMP	18 AWG (Solid) BC 6.5 Ω/M'	Foam FEP .170	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	Flex.	.273	16.2 pf/ft	82%	75Ω	Ivory
					Plenum					
256300 Quad-Shield	CATVP CMP	18 AWG CCS 28 Ω/M'	Foam FEP .170	Bifoil* +Al. Braid 60% + Bifoil* + Al. Braid 40%	Flex.	.270	16.2 pf/ft	82%	75Ω	Ivory
					Plenum					

#### CATV/MATV Accessories

See Page 212-214

#### 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 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

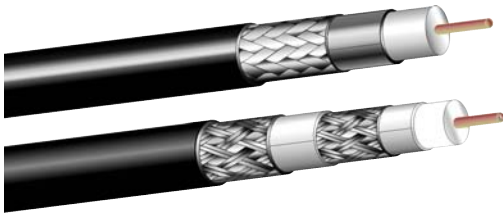
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# CATV/MATV RG11/U

## 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 CM	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
821	CATV CM	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bifoil* + Al. Braid 65%	PVC	.405	16.2 pf/ft	82%	75Ω	Black
1110 Flooded Burial	--	14 AWG (Solid) CCS 11.0 Ω/M'	Gas Injected PE† .280	Bonded Bifoil* +Al. Braid 61% Flooding	PE	.405	16.2 pf/ft	82%	75Ω	Black
Q821 Quad-Shield	CATV CM	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	PVC	.405	16.2 pf/ft	82%	75Ω	Black
NEW Q821F Quad-Shield Flooded	--	14 AWG (Solid) BC 2.6 Ω/M'	Gas Injected PE† .280	Bifoil* +Al. Braid 65% + Bifoil* + Al. Braid 55%	Polyethylene (PE)	.405	16.2 pf/ft	82%	75Ω	Black

### Electrical Specifications

### CATV/MATV Accessories

See Page 212-214

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

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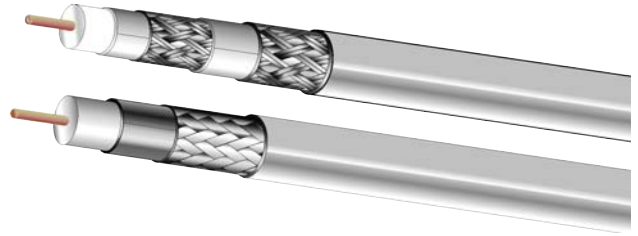
# CATV/MATV RG11/U PLENUM

## CATV/MATV

### RG11/U Type Plenecon® PLENUM Cables

#### 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 CMP	14 AWG (Solid) BC 2.6 Ω/M'	Foam FEP .280	Bifoil* + Alum. Braid 65%	Copolymer	.352	16 pf/ft	82%	75Ω	Natural
25Q821 Quad-Shield	CATVP CMP	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

#### CATV/MATV Accessories

See Page 212-214

#### 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

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# CATV/MATV CONNECTORS

## CATV/MATV

### "F" Type Connectors

"F" Crimp Type Connectors	
Catalog No.	Description
CN-F56ALM	RG6/U
CN-F56ALX	RG6/U Quad Shield
CN-F59TFE/WP	RG59/U West Penn Plenum
CN-F56TFE	RG6/U Plenum
CN-F56AQ	RG6/U Zinc plated with rubber O-Ring
CN-F59T	75 Ohm "F" Terminator
CN-F11ALX	RG11/U
CN-F11TFE	RG11/U Plenum



CN-F59ALM



CN-F59T



CN-F11ALX



CN-FCP-59



CN-CSF-6

## CATV/MATV

### "F" Type Compression Connectors

"F" Type Compression Connectors	
Catalog No.	Description
CN-F59MCV	Universal - RG59/U PVC, Plenum, Quad, Quad Plenum
CN-F6MCV	Universal - RG6/U PVC, Plenum, Quad, Quad Plenum
CN-CSF-6	RG6/U PVC
CN-FS6PL2	RG6/U Plenum
CN-FS11V	RG11/U
CN-FS11PL	RG11 Plenum, Quad, Quad Plenum
"F" Type Compression Connectors- Window Style	
CN-FCP-825	MiniMax 25Awg.
CN-FCP-59	RG59/U
CN-DB6PL2 *	Double Bubble 25Q841 & 256300

Small Profile  
Compression  
Design

## CATV/MATV

### Assorted Adaptors

"F" Type Barrel and Adaptors	
Catalog No.	Description
CN-F81	F Barrel Splice
CN-F81NW	F Barrel Splice with Nut and Washer
CN-F71	F Male to Male Adapter
CN-ADP100	"F" Female to "F" Push on
CN-ADP101	"F" Right Angle Push on
CN-ADP102	"F" Right Angle (F to M)
CN-ADP103	RCA M to "F" Female
CN-ADP106	RCA F to "F" Male



CN-F81



CN-F81NW



CN-F71



CN-ADP106



CN-ADP103



CN-ADP100



CN-ADP102

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CABLE WITH CONFIDENCE

WEST PENN WIRE

AMPLIFIED OUTPUT

# CATV/MATV INSTALLATION ACCESSORIES

## CATV/MATV Splitters



GHS-8

Splitters	
Catalog No.	Description
GHS-2	2 Way Splitter- 1 GHZ
GHS-4	4 Way Splitter- 1 GHZ
GHS-8	8 Way Splitter- 1 GHZ

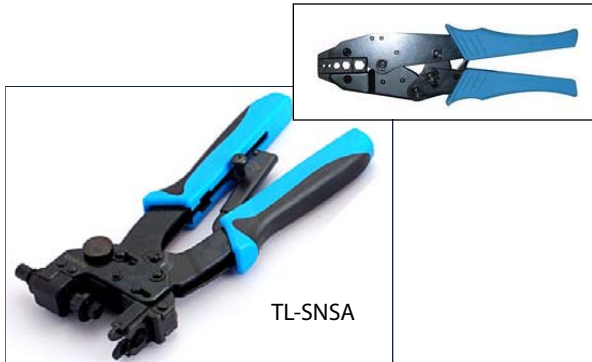
Stripping Tools	
Catalog No.	Description
TL-7502	2 Cut Tool- RG59, RG6, RG58
TL-124	3 Cut Tool RG8, RG11, RG213
TL-CSST	Compression Strip Tool- 2 Cut RG59 & RG6
TL-PS11	Compression Strip Tool RG11/U
TL-59-6	Miniature Strip Tool RG59 and 6

Replacement Blades	
Catalog No.	Description
TL-133	TL-7502

## CATV/MATV Strip Tools



## CATV/MATV Crimp/ Compression Tools



TL-SNSA

Tools Crimp and Compression	
Catalog No.	Description
TL-111	RG59 / RG6
TL-112	RG6 / RG11 (CN-F11ALX)
TL-115	Plenum RG11
TL-SNSA	Compression Tool RG59 / RG6
TL-SNS11	Compression Tool RG11- <b>CN-FSNS-11</b>
TL-CCT-SS59/11	Compression Tool RG11- <b>CN-FS11V &amp; CN-FS11PL</b>
TL-548G	Alternate Compression Tool

Notes:

TL-SNSA and TL-8808 - Accepts RG59, & RG6

TL-548G- Accepts RG59, RG6, & RG11

Crimp Tool Die Sizes:

TL-111: .324, .359

TL-112: .100, .322, .448

TL-115: .068, .100, .324, .384



CN-8006589

## Coaxial Systems Outside Plant Protection Splices

Gel Filled	
Catalog No.	Description
CN-8006667	RG11/U
CN-8006589	RG59/U and RG6/U



# CATV/MATV INSTALLATION ACCESSORIES

## CATV/MATV Racks

Free Standing Racks	
XDR-4819	19" Free Standing Rack- 48"
XDR-7219	19" Free Standing Rack- 72"
XDR-8419	19" Free Standing Rack- 84"
XCR-8419	19" Cable Management Rack- 84"

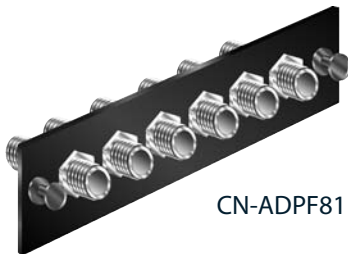
For Additional Distribution Racks See Page 232



## CATV/MATV Empty Patch Panels Enclosures

Rack Mount Patch Panels	
FI-RM24	Empty Rack - Load with 4 Adapter Plates (19"- 3.35"H X 11.970D)
FI-RM48	Empty Rack - Load with 8 Adapter Plates (19"- 5.1"H X 11.970D)
FI-RM72	Empty Rack - Load with 12 Adapter Plates (19"- 6.85"H X 11.970D)

## CATV/MATV Adaptor Plates 5.0625" X 1.125"



CN-ADPF81

"F" Type Adaptor Plates	
CN-ADPF81	6 "F" Type Female to Female Plate Installed
CN-ADPF81E	6 "F" Type Position Plate Empty
CN-ADPBK	Blank Plate

## CATV/MATV Cable Assemblies

West Penn Wire can custom produce any CATV/MATV Cable Assembly needed. Call West Penn Wire Engineering Team

## CATV/MATV - Over UTP Cables Baluns

CATV/MATV Passive Balun- "F" Type	
CN-CATVF	"F" Type to RJ45

Category 5 or Better UTP  
Bandwidth: 5MHz to 862MHz



CATV/MATV Passive Balun- RCA	
CN-CATVRCAs	RCA Type to RJ45 Keystone Insert Design

Category 5 or Better UTP  
Bandwidth: 5MHz to 862MHz

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