

CZ Labs

CONNECTING WITH QUALITY SINCE 1959



RF CONNECTOR TYPES

N TYPES	SMA	FME
F TYPES	SMB	HN
UG TYPES	SMC	XLR
SSMA	BNC	MCX
SSMB	TNC	RCA
LC/LT	UHF	PAL
MMCX	MINI UHF	
MILITARY TYPES		



RP (REVERSE POLARITY)

INTERSERIES ADAPTERS
COMPRESSION TYPES
1.6/5.6 SERIES
7/16 DIN



2008-2009 CATALOG

CONNECTORS

BNC Male	1
BNC Female	2
BNC Adapters & Terminators	2
BNC 75 Ohm	3
RF Connector Adapter Kit	3
Compression Seal Connectors	4
Compression Ratchet Tools	4
Compression Tool Kit	4
Interseries Adapters	4-6
Interseries Adapters Chart	6
UHF Connectors	7
Mini UHF Series Connectors	7
"N" Type Connectors	8
"F" Type Attenuator Pads	8
"F" Type Connectors	9
Audio Connectors	10
Audio Adapters	10
Microphone Connectors (XLR)	10
RCA and S-Video Adapters	10
SMA Crimp & Solder Type	11
SMA Adapters	11
SMB Connectors	11
TNC Connectors	12
7/16 DIN Connectors	12
MCX Connectors	12
MMCX Connectors	13
Reverse Polarity Connectors	13
Reverse Polarity Adapters	14

- All RF connector types are available; contact us for a quotation
- We can design as per your drawing or spec
- Rohs compliant

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F TYPES	SMB	HN
UG TYPES	SMC	XLR
SSMA	BNC	MCX
SSMB	TNC	RCA
LC/LT	UHF	PAL
MMCX	MINI UHF	
MILITARY TYPES		

CCTV PRODUCTS

CCTV Surge Protector	14
CCTV Video Baluns	14

COMPUTER PRODUCTS

D Sub Miniature to Modular Jack Adapters	15
Contact Pins	15
D Sub Miniature Hoods	15
D Sub Miniature Connectors	15
Mini Gender Changers	16
Category 5E & 6 Couplers	16
Keystone Wall Plates	16
Keystone Type Inserts	16
Keystone Type Jacks	16
Printer Cables (IEEE 1284)	17
Computer Cable Assemblies	17
Printer Cables	17
DVI Digital Interface Cables	17
Fiber Optic Audio and SVHS Video Cables	18
Fiber Optic Adapters	18
HDTV VGA Digital Link Cables	18
Component Video Hook-Up Cables	19

CATEGORY 5, 5E, 6 PRODUCTS

Deluxe Category 5E & 6 Patch Cords	19
Category 5E Patch Cords	19
Category 5E & 6 Cables	20
Surface Mounts	20
Category 5E Patch Panels	20
Strain Reliefs	20

"USB" PRODUCTS

USB Cables & Adapters	21
-----------------------	----

SURGE PROTECTORS

Surge Protectors	21
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CABLE ASSEMBLIES

Stereo and Audio Cable Assemblies	22
Shielded "Y" Cable Assemblies	22
Video Cable Assemblies	22
Coaxial Cable Assemblies	22

MODULAR TELEPHONE PRODUCTS

Telephone Accessories	23-24
Modular Wall Plates	24
Modular Line Cords	24
Modular Extension & Coiled Cords	24

CATV PRODUCTS

Cable Switches	25
Ultra Splitters (5 MHz to 1 GHz)	25
Splitters (5-900 MHz)	25
1000 MHz 16-Way Splitter	26
Wall Plates	26

SATELLITE DEVICES

Bullet Type In-Line Amplifiers	26
5-2300 MHz Digital Wide Band Splitters	26
Satellite/TV Diplexer/Combiner	27
High Frequency Satellite Splitters	27

TOOLS

Deluxe Full Cycle Ratchet Crimp Tool Kit	27
Modular Crimp Tools	27
Ratchet Crimp Tools	28
Crimp Tools	28
Impact Punch Down Tools	28
Coaxial Cable Strippers	29

INSTALLATION ACCESSORIES

Cable Tie Wraps	29
Assorted Installation Accessories	29-30

CABLES

SVGA Cables	30
Firewire Cables (IEEE-1394)	30
Silver Satin Line Cords	30
Coaxial Cables	30
Shrink Tubing – Polyolefin	31
Fiber Optic Jumper Cables	31

RF CONNECTORS PRO SERIES

Professional Deluxe Series RF Connectors (Brass, Teflon, Silver and Gold)	32
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HDMI PRODUCTS

HDMI Cables and Adapter	33
HDMI Switches & Wall Plates	33
HDMI Splice & Cable Extender	33

BNC Connectors

ELECTRICAL SPECIFICATIONS

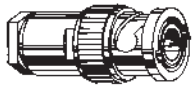
Nominal Impedance:	50 Ohms
Frequency Range:	0-4 GHz
Voltage Rating:	AC 500V
Withstanding Voltage:	1500 Volts RMS
Insulation Resistance:	5000 Megohms Min.
Temperature Range:	67° to 390° F
Vibration:	Mil. Std. 202 Method 204
Shock:	Mil. Std. 202 Method 202
Moisture Resistance:	Mil. Std. 202 Method 105

MATERIALS

Body Housing:	Brass
Male Contact:	Brass, Gold Plated
Female Contact:	Brass, Gold Plated
Crimp Ferrule:	Copper
Gasket:	Silicone Rubber
Dielectric:	Delrin, Teflon or PBT

BNC Connectors are miniature, light-weight and durable units suitable for a wide range of applications. Mating is by a 2-stud bayonet lock.

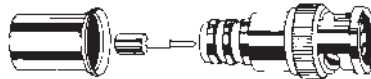
BNC Male



Standard Solder Type

6 Piece Construction

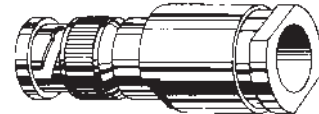
- 301** for RG-59 (UG-260/U)
302 for RG-58 (UG-88/U)



Crimp Type

3 Piece Construction

- 318** for RG-8, RG-11 & RG-213



Solder Type Male

- 320** for RG-8, RG-11 & RG-213 (UG-959/AU)



Cable Boots/Strain Relief

Black Color • 100 Per Bag

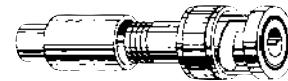
- 1450** for RG-58 Black
1451 for RG-174 Black
1455 for RG-59 & RG-62 Black

Call for Other colors.



Twist On Right Angle

- 390** for RG-59 & RG-62
391 for RG-59 & RG-62 Teflon
392 for RG-58



Crimp Type

2 Piece Construction

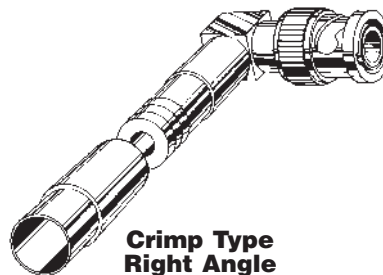
- 330** for RG-6
350 for RG-59 & RG-62
352 for Belden 8281
354 for RG-59 & RG-62 Teflon
355 for RG-58 & RG 58/AU
388 for RG-6 Teflon



Solder Type

3 Piece Construction

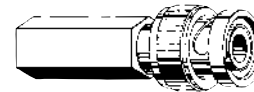
- 381** for RG-58
382 for RG-59 & RG-62
385 for Micro 8 (RG-8X)



Crimp Type Right Angle

2 Piece Construction

- 395** for RG-59 & RG-62
396 for RG-58



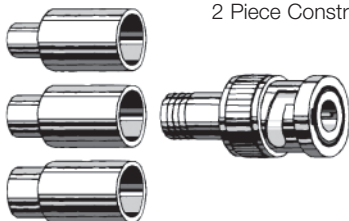
Twist On

1 Piece Construction

- 360** for RG-59 & RG-62
361 for RG-59 & RG-62 Teflon
362 for Belden 8281
365 for RG-58 & RG 58/AU
370 for RG-6

BNC Multi-Fit Male Crimp Type

2 Piece Construction



- 351** for RG-59 PVC, RG-59 Teflon/Plenum, RG-6 PVC, RG-6 Teflon/Plenum, RG-58 PVC



Crimp Type

3 Piece Construction

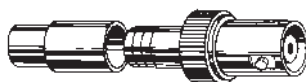
- 311** for RG-59 & RG-62 (20 ga. pin)
312 for RG-58 & RG-58/AU
313 for Micro 8 (RG-8X)
321 for RG-58 Teflon Thinnest

- 322** for RG-6
323 for RG-58 Thinnest PVC
324 for RG-59 & RG-62 Teflon
335 for Belden 8281
336 for RG-174
338 Mini for RG-59 & RG-62 (.150 O.D.)
353 for RG-59 & RG-62 (22 ga. pin)
358 for Belden 8218
359 for RG-179



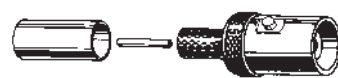
1 Piece Twist On
Field Installable

345 for RG-59 & RG-62
346 for RG-58
347 for RG-6
348 for RG-59 & RG-62 Teflon
349 for Belden 8281



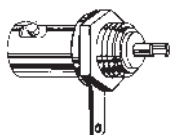
2 Pc. Crimp on

340 for RG-59 & RG-62
341 for RG-6
342 for RG-58
343 for RG-59 & RG-62 Teflon



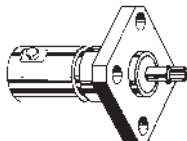
3 Piece Crimp Type

3020 for RG-58
3021 for RG-59 & RG-62
3022 for RG-6
3023 for RG-59 & RG-62 Teflon



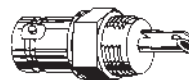
Chassis Mount

304 (UG-1094/U)



Chassis Mount

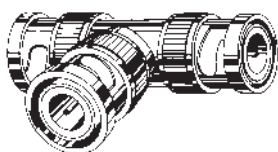
308 (UG-290/U)



Chassis Mount

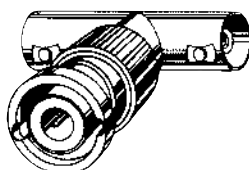
328 Isolated
328-75 75 Ohm

BNC Adapters & Terminators



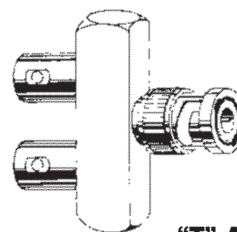
"T" Adapter

314 3 Males



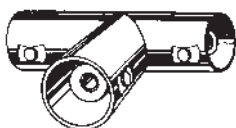
"T" Adapter

309 (UG-274/AU) Female/Male/Female



"T" Adapter

3005 1 Male/2 Females
3005-75 75 Ohm, 1 Male/2 Females



"T" Adapter

319 3 Females



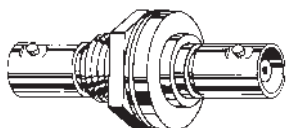
Double Female

305 (UG-914/U)



Double Male

310 (UG-491/U)



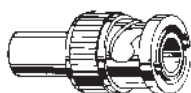
Double Female Bulkhead

1/2" Mounting Diameter
315 (UG-492/U) Length 1.2750
329 Isolated Type



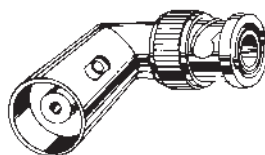
"F" Adapter

3041 Female/Female/Male



Terminators

375 75 ohms .5W @ 1%
376 93 ohms .5W @ 1%
380 50 ohms .5W @ 1%



Right Angle Adapter

307 (UG-306/U) Male/Female

**GO TO
 PAGE 32 FOR
 OUR DELUXE
 PROFESSIONAL
 SERIES OF RF
 CONNECTORS**

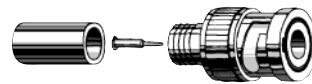
BNC 75 Ohm



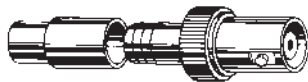
"T" Adapter
3019 3 Females



"T" Adapter
3035 Female/Male/Female



Male Connector
3 Piece Construction
3061 for RG-6/U Quad PVC Cable



Female Crimp On
2 Piece
3012 for RG-59 & RG-62
3013 for RG-59 & RG-62 Teflon



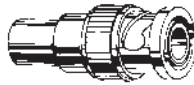
Female Twist On
3014 for RG-59 & RG-62
3015 for RG-59 & RG-62 Teflon



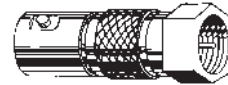
Double Female
3016



Interseries Adapter
3017 "F" Female to BNC Male



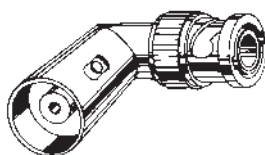
Interseries Adapter
3018 RCA Female to BNC Male



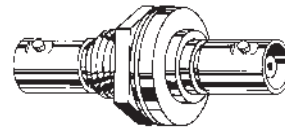
Interseries Adapter
3037 BNC Female to "F" Male



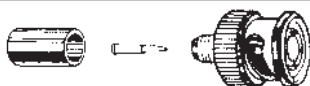
Male Twist On
3024 for RG-59 & RG-62
3025 for RG-59 & RG-62 Teflon
3026 for RG-6
3060 for Belden 8281 PVC



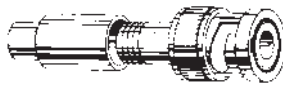
Right Angle Adapter
3038 Male/Female



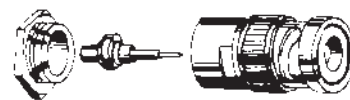
Bulkhead Adapters
3036 1/2" Diameter Double Female
3039 Isolated Type



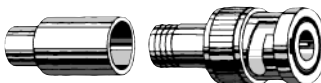
Crimp Type
3 Piece Construction
3027 for RG-59 & RG-62
3028 for RG-59 & RG-62 Teflon
3029 for RG-6, Belden 8215
3058 for Belden 8281 PVC
3059 for Belden 8281 Plenum
3065 for Belden 735A
3066 for Belden 1855A
3067 for Belden 1505A
3068 for Belden 1695A
3069 for Belden 1694A, 9248
3070 for Belden 1506A, 82259
3071 for Belden 82108, 89108
3072 for Belden 8218
3073 for RG-179, Belden 1520A



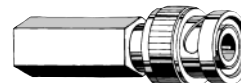
Crimp Type
2 Piece Construction
3030 for RG-59 & RG-62
3031 for RG-59 & RG-62 Teflon
3032 for RG-6



Solder Type
3 Piece Construction
3033 for RG-59 & RG-62
3034 for RG-59 & RG-62 Teflon



Male Connector
2 Piece Construction
3062 for RG-6/U Quad PVC Cable



Male Connector
1 Piece Construction
3063 for RG-6/U Quad PVC Cable

CONNECTORS

RF Connector Adapter Kit

300

Deluxe 30 pc. Kit

Contains 2 Pieces of each:

- BNC Female
- BNC Male
- TNC Female
- TNC Male
- Adapter
- "N" Female
- "N" Male
- UHF Female
- UHF Male
- Mini UHF Female
- Mini UHF Male
- SMA Female
- SMA Male
- And 8 Pieces Universal

Makes any interseries adapter you need.
Gold Plated, Gold Contacts, Teflon Insulation.
Comes complete in padded soft, zippered carrying case.

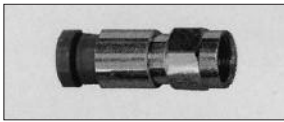
300-40

Deluxe 40 pc. Kit



Compression Seal Connectors

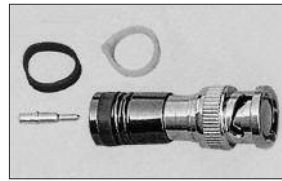
True 360 Degree compression onto the cable insuring superior RF shielding of 95 DB. All connectors are designed for 75 ohm cable. One piece construction.



2650 "F" Male for RG-6
2651 "F" Male for RG-6 Quad
2652 "F" Male for RG-11
2659 "F" Male for RG-59



2653 BNC Male for RG-6
2657 BNC Male for RG-59
2658 BNC Male for RG-6 Quad
2671 BNC Male for Mini RG-59/RGB Mini



2657D BNC Male for RG-59 with color ring



2654 RCA Male for RG-6
2655 RCA Male for RG-59
2656 RCA Male for RG-6 Quad
2670 RCA Male for Mini RG-59/RGB Mini



2680
 Right Angle "F" Male for RG-59



2685
 Right Angle BNC Male for RG-59



2690
 Right Angle RCA Male for RG-59

Compression Ratchet Tools



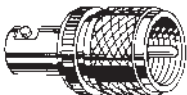
2660 Universal Compression Ratchet Tool
2661 Compression Ratchet Tool for RG-11

Compression Tool Kit



2675
 Comes with:
 Compression Tool for RG59/6, F/BNC/RCA Waterproof Connector
 Coax/UTP/STP Cable Stripper with Cutter
 Compression Connector "F" Male for RG6/U 6 pcs.
 Compression Connector RCA Male for RG6/U 2 pcs

Interseries Adapters



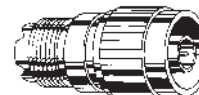
303
 BNC Female to UHF Male
 UG-273/U



306
 UHF Female to BNC Male
 UG-255/U



421
 UHF Female to RCA Male



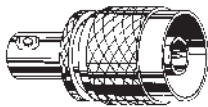
609
 UHF Female to "N" Male
 UG-146/U



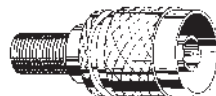
611
 "N" Female to UHF Male
 UG-83/BU



612
 "N" Female to BNC Male
 UG-349/U



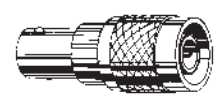
613
 BNC Female to "N" Male
 UG-201/AU



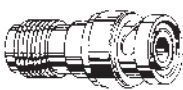
618
 "F" Female to "N" Male



640
 "N" Female to BNC Female



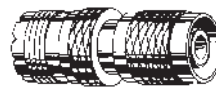
714
 BNC Female to TNC Male



716
 TNC Female to BNC Male



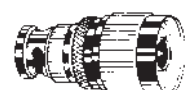
721
 TNC Female to "N" Male



723
 UHF Female to TNC Male



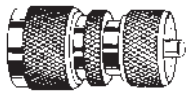
731
 "N" Female to TNC Male



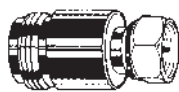
870
 "N" Male to BNC Male

Interseries Adapters

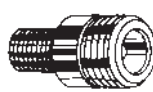
CONNECTORS



871
"N" Male to UHF Male



872
"N" Female to "F" Male



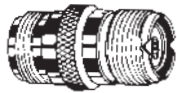
873
"N" Female to "F" Female



874
"N" Male to "F" Male



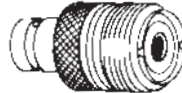
875
BNC Male to UHF Male



876
"N" Female to
UHF Female



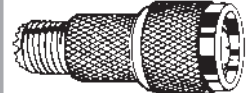
878
UHF Female to
3.5 mm Phone Plug



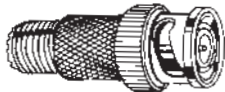
879
BNC Female to
UHF Female



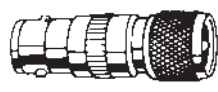
880
BNC Male to RCA Male



881
Mini UHF Female to
TNC Male



882
Mini UHF Female to
BNC Male



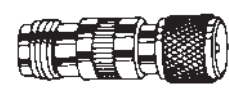
883
Mini UHF Male to
BNC Female



884
Mini UHF Female to
UHF Male



885
Mini UHF Male to
UHF Female



886
Mini UHF Male to
TNC Female



887
"F" Female to
RCA Female



888
'F' Female to RCA Female
Wall Plate Mountable



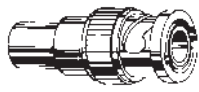
889
"N" Female to
Mini UHF Male



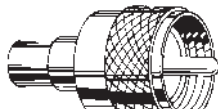
890
UHF Male to "F" Male



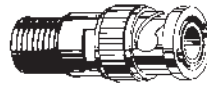
901
BNC Female to RCA Male



903A
RCA Female to BNC Male



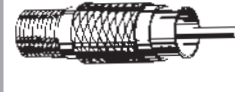
904
RCA Female to UHF Male



905
"F" Female to BNC Male



906
"F" Female to UHF Male



907
"F" Female to RCA Male



908
"F" Female to
3.5mm Male



909
RCA Female to
3.5mm Male



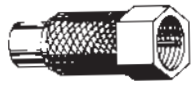
910
BNC Female to
"F" Push On Male



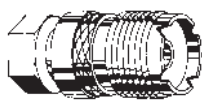
911
"F" Female to
BNC Female



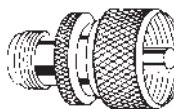
912
BNC Female to
3.5mm Male



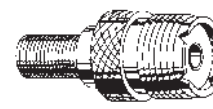
922
RCA Female to
"F" Male



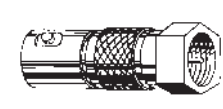
923
UHF Female to
"F" Male



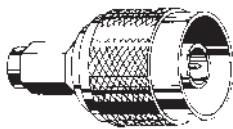
925
TNC Female to
UHF Male



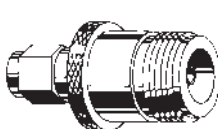
926
"F" Female to
UHF Female



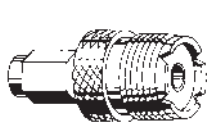
927
BNC Female to
"F" Male



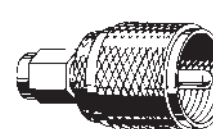
1573
SMA Male to "N" Male



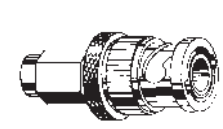
1574
SMA Male to "N" Female



1575
SMA Male to UHF Female



1576
SMA Male to UHF Male



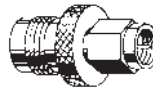
1577
SMA Male to BNC Male



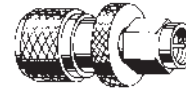
1578
SMA Male to BNC Female



1579
SMA Male to
TNC Male



1580
SMA Male to
TNC Female

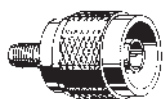


1581
SMA Male to
Mini UHF Male

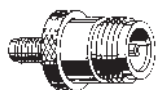


1582
SMA Male to
Mini UHF Female

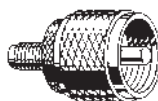
Interseries Adapters



1583
SMA Female to "N" Male



1584
SMA Female to
"N" Female



1585
SMA Female to UHF Male



1586
SMA Female to
UHF Female



1587
SMA Female to
BNC Male



1588
SMA Female to
BNC Female



1589
SMA Female to
TNC Male



1590
SMA Female to
TNC Female



1591
SMA Female to
Mini UHF Male



1592
SMA Female to
Mini UHF Female

Interseries Adapters Chart

BNC FEMALE TO:

911 "F" FEMALE
303 UHF MALE
879 UHF FEMALE
613 "N" MALE
640 "N" FEMALE
714 TNC MALE
901 RCA MALE
1578 SMA MALE
1588 SMA FEMALE
912 3.5mm MALE
883 MINI UHF MALE
927 50 OHM "F" MALE
3037 75 OHM "F" MALE
910 "F" PUSHON MALE
305 50 OHM BNC FEMALE

"F" FEMALE TO:

618 "N" MALE
873 "N" FEMALE
907 RCA MALE
926 UHF FEMALE
905 50 OHM BNC MALE
3017 75 OHM BNC MALE
906 UHF MALE
887 RCA FEMALE
908 3.5mm MALE
911 BNC FEMALE

MINI UHF FEMALE TO:

881 TNC MALE
882 BNC MALE
884 UHF MALE
1582 SMA MALE
1592 SMA FEMALE

"N" FEMALE TO:

640 BNC MALE
612 BNC MALE
876 UHF FEMALE
611 UHF MALE
873 "F" FEMALE
872 "F" MALE
731 TNC MALE
1574 SMA MALE
1584 SMA FEMALE
889 MINI UHF MALE

BNC MALE TO:

905 50 OHM "F" FEMALE
3017 75 OHM "F" FEMALE
875 UHF MALE
306 UHF FEMALE
870 "N" MALE
612 "N" FEMALE
716 TNC FEMALE
880 RCA MALE
1577 SMA MALE
1587 SMA FEMALE
903A 50 OHM RCA FEMALE
3018 75 OHM RCA FEMALE
882 MINI UHF FEMALE
310 BNC MALE

"F" MALE TO:

874 "N" MALE
872 "N" FEMALE
922 RCA FEMALE
923 UHF FEMALE
927 50 OHM BNC FEMALE
3037 75 OHM BNC FEMALE
910 BNC FEMALE PUSH-ON
890 UHF MALE

MINI UHF MALE TO:

886 TNC FEMALE
883 BNC FEMALE
885 UHF FEMALE
1581 SMA MALE
1591 SMA FEMALE
889 "N" FEMALE

"N" MALE TO:

813 BNC FEMALE
870 BNC MALE
609 UHF FEMALE
871 UHF MALE
618 "F" FEMALE
874 "F" MALE
721 TNC FEMALE
1573 SMA MALE
1583 SMA FEMALE
604 "N" MALE
605 "N" FEMALE

SMA FEMALE TO:

1583 "N" MALE
1584 "N" FEMALE
1585 UHF MALE
1586 UHF FEMALE
1587 BNC MALE
1588 BNC FEMALE
1589 TNC MALE
1590 TNC FEMALE
1591 MINI UHF MALE
1592 MINI UHF FEMALE
1572 SMA FEMALE

RCA FEMALE TO:

903A 50 OHM BNC MALE
3018 75 OHM BNC MALE
904 UHF MALE
922 "F" MALE
887 "F" FEMALE
909 3.5mm MALE
902A RCA FEMALE

TNC FEMALE TO:

721 "N" MALE
716 BNC MALE
925 UHF MALE
886 MINI UHF MALE
1580 SMA MALE
1590 SMA FEMALE

UHF FEMALE TO:

421 RCA MALE
609 "N" MALE
876 "N" FEMALE
723 TNC MALE
926 "F" FEMALE
879 BNC FEMALE
306 BNC MALE
923 "F" MALE
1575 SMA MALE
1586 SMA FEMALE
885 MINI UHF MALE
878 3.5mm MALE

RCA MALE TO:

880 BNC MALE
421 UHF FEMALE
907 "F" FEMALE
901 BNC FEMALE

SMA MALE TO:

1573 "N" MALE
1574 "N" FEMALE
1575 UHF FEMALE
1576 UHF MALE
1577 BNC MALE
1578 BNC FEMALE
1579 TNC MALE
1580 TNC FEMALE
1581 MINI UHF MALE
1582 MINI UHF FEMALE
1571 SMA MALE

TNC MALE TO:

731 "N" FEMALE
714 BNC FEMALE
723 UHF FEMALE
881 MINI UHF FEMALE
1579 SMA MALE
1589 SMA FEMALE

UHF MALE TO:

904 RCA FEMALE
871 "N" MALE
611 "N" FEMALE
925 TNC FEMALE
906 "F" FEMALE
303 BNC FEMALE
875 BNC MALE
890 "F" MALE
1576 SMA MALE
1585 SMA FEMALE
908 MINI UHF FEMALE

3.5MM MALE TO:

912 BNC FEMALE
878 UHF FEMALE
908 "F" FEMALE

UHF Connectors

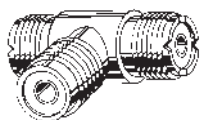
ELECTRICAL SPECIFICATIONS

Nominal Impedance:	Non-Constant
Frequency Range:	0-300 MHz
Voltage Rating:	AC 500V
Withstanding Voltage:	100 Volts RMS
Insulation Resistance:	5000 Megohms Min.
Temperature Range:	67° to 390° F

UHF Connectors are general purpose and economical units. Mating by standard size 5/8-24 or larger size 1-20 threaded coupling. They are not intermatable. Mini-UHF uses 3/8-24 threaded coupling.

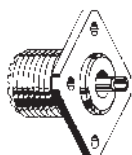
MATERIALS

Body Housing:	Brass or Die Cast Zinc
Male Contact:	Brass, Nickel Plated
Female Contact:	Brass, Phosphor Bronze or Beryllium Copper
Crimp Ferrule:	Copper
Dielectric:	Delrin, Teflon or PBT



"T" Adapter
412

Female/Female/Female



Chassis Mount

407 SO-239 (Nickel)
407TS SO-239
(Teflon/Silver)



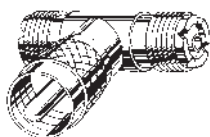
Male Solder Type

401 PL-259 Bakelite
401TS PL-259 Teflon
Insulated, Silver
Plated, Gold Pin



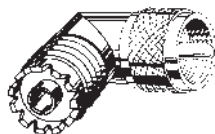
Male Solder Type

2 Piece Construction
401DTS PL-259 for RG-8, 213
Cable, Teflon Insulated,
Silver Plated Body & Nut,
Gold Plated Pin,
Machined Brass



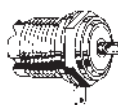
"T" Adapter

405 (M-358)
Female/Male/Female



Right Angle Adapter

404 (M-359) Male/Female



Chassis Mount

409 (Nickel)
409TS SO-239H(Teflon,
Silver) with Nut
and Solder Tab



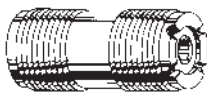
Reducer

402 UG-175/U for RG-58/U
402S UG-175/U for RG-58/U (Silver)
403 UG-176/U for RG-59/U
403S UG-176/U for RG-59/U (Silver)



Double Male

410 UHF/DM



Double Female

408 PL-258
408TS PL-258
(Teflon, Silver)



Double Female Bulkhead

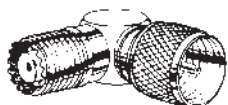
406 UG-363/U



Male Crimp Type

422 for RG-58/U
423 for RG-59/U
424 for RG-8/U
425 for Micro 8/U (RG-8X)

Mini UHF Series Connectors



Right Angle Adapter

470 Male/Female



Double Male

478



3 pc Female Crimp

473 for RG-58/U
473-8X for Micro 8/U (RG-8X)



Double Female

476



Male Crimp

479 for RG-58
3 Piece Construction



Crimp Type

480 for RG-58
481 for RG-59
482 for Micro 8/U (RG-8X)

"N" Type Connectors

ELECTRICAL SPECIFICATIONS

Nominal Impedance:	50 Ohms
Frequency Range:	0-11 GHz
Voltage Rating:	AC 500V
Withstanding Voltage:	1500 Volts RMS
Insulation Resistance:	5000 Megohms Min.
Temperature Range:	Teflon -65 to +165° C
Shock:	Delrin -40 to +85° C
Moisture Resistance:	Mil. Std. 202 Method 213
	Mil. Std. 202 Method 204

MATERIALS

Body Housing:	Brass
Male Contact:	Brass, Gold Plated
Female Contact:	Brass, Gold Plated
Crimp Ferrule:	Copper
Gasket:	Silicone Rubber
Dielectric:	Delrin, Teflon or PBT

N Connectors are medium-sized, rugged units designed for nominal impedance 50 ohms although they can be used for higher impedance matching. They are also available in 75 ohms on special request. Mating by 5/8-24 threaded coupling. 50 ohm connectors are not intermatable with 75 ohm connectors.

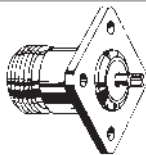


3 Piece Crimp Type

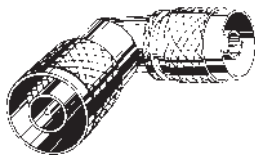
Gold Plated Pin, Machined Brass

665 for Belden 9913/LMR400 Teflon/Nickle Plated Body,

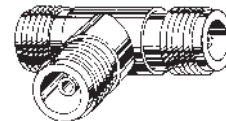
665TS for Belden 9913/LMR400 Teflon/Silver Plated Body



Chassis Mount
603 (UG-58/AU)



Right Angle
619 Male/Male



"T" Adapter
Female/Female/Female
635 (UG-28/AU)



Solder Type - Male

601 for RG-8, RG-213
& Ethernet PVC
663 for Belden 9913



Crimp Type

606 for RG-8, RG-213 & Ethernet PVC
607 for RG-59
608 for RG-58
6055 for Micro 8/U (RG-8X)



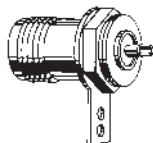
Solder Type - Female

602 for RG-8, RG-213 (UG-23/BU)
602-9913 for Belden 9913 Cable,
Gold Pin

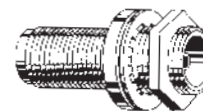


Solder Type - Male

616 for RG-58 (UG-536/BU)
617 for RG-59 (UG-603/AU)



Chassis Receptacle
642

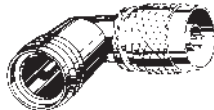


Bulkhead Feed-Thru
620 (UG-30/DU)



Adapter

Double Male
604 (UG-57/AU)



Right Angle

Male/Female
610 (UG-27/CU)



Adapter

Double Female
605 (UG-29/BU)

"F" Type Attenuator Pads



Bandwidth: DC to 900 MHz
Accuracy: $\pm 5\%$
Return Loss: 20 dB

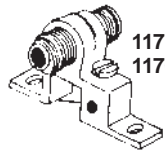
135-03 3 dB
135-06 6 dB
135-10 10 dB

135-12 12 dB
135-17 17 dB
135-20 20 dB

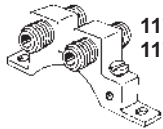
"F" Type Connectors

CONNECTORS

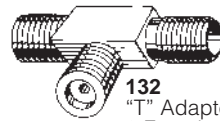
ADAPTERS



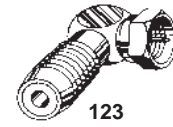
117 5-900 MHz
117G 3 GHz Digital
Grounding
Block with F-81



117D 5-900 MHz
117GD 3 GHz Digital
Dual Grounding
Block with F-81



132
"T" Adapter
3 Females



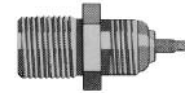
123
Right Angle Male/Female



124 Push On Male to "F" Female
124G with Gold Plating



130 DC Voltage Block Coupler
"F" Female to "F" Male



109 F-61A With Nut & Washer

INLINE SPLICES

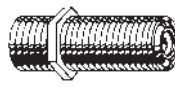


112
F-71 Double Male



114 F-81 Double Female
114G with Gold Plating

Length-.845



114BL
3 Ghz. Digital
Inline Splice, F-81 Double Female,
Machined Brass, Length 1.06



NW
Nut & Washer
3/8" Thread Size

PAL TO "F" ADAPTERS



950
"F" Female to Pal Male



951
"F" Male to Pal Male

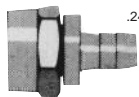


952
Pal Female to "F" Male



953
"F" Female to Pal Female

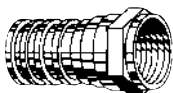
F-59 (RG-59/U CABLE)



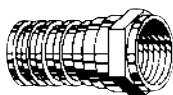
101
with Separate
1/4" Crimp Ring
(F-59)



102
with Attached 1/4" Crimp
Ring (F-59A)



103 Tin Plating
103G Yellow Cad Plating
with Attached 1/2" Crimp
Ring (F-59ALM)



103GW Yellow Cad Plating
103W Nickel Plating
with Weathersealed
"O" Ring



118
118G 3 Ghz. Digital
1/2 Watt 5% Terminator



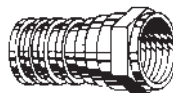
121
F-59 Twist On
121G
F-59 Twist On
Gold Plated



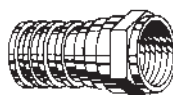
104-1/4
1/4" Crimp Ring



105
with Attached 1/4" Crimp
Ring (F-56A)



106 Tin Plating
106G Yellow Cad Plating
with Attached 1/2" Crimp
Ring (F-56ALM)



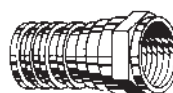
106GW Yellow Cad Plating
106W Nickel Plating
with Weathersealed "O"
Ring



122 F-56 Twist On
122G F-56 Twist On
Gold Plated



128
for Teflon/Plenum
RG-6/U

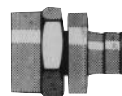


127 F-56 .357
for RG-6/U
Quad Shield Cable
O.D. .300

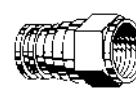
F-11 (RG-11/U CABLE)



107
With Separate
1/5" Crimp Ring



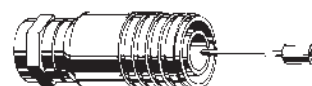
104
with Separate
1/4" Crimp Ring
(F-56)



106HD
for RG-6/U Cable
with Silicon Gel
& O-Ring



107-1/5
1/5" Crimp Ring



136 Crimp Ring Attached. Separate Pin.
For RG-11 Plenum, Belden 89292,
Commscope 2285

Audio Connectors



178
RCA Socket Chassis Mount



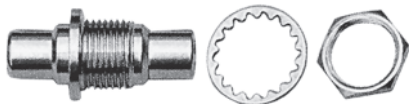
172
RCA Shielded Metal Jack



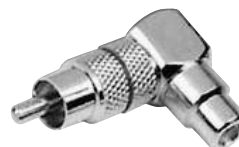
174B Black
174R Red
RCA Plastic Plug



170
RCA Shielded Metal Plug



180
RCA Double
Female Bulkhead



181
RCA Right Angle
181G
Gold Plated



171BK RCA Plug Black Molded Handle
171RD RCA Plug Red Molded Handle

PLASTIC HANDLE WITH STRAIN RELIEF • SOLDER TERMINALS



173BK RCA Jack Black Molded Handle
173RD RCA Jack Red Molded Handle

Audio Adapters

BLACK MOLDED
PLASTIC CONSTRUCTION

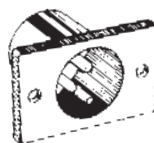


902A
RCA Double Female
902AG
RCA Coupler Jack to Jack - Gold

Microphone Connectors (XLR)



830 3 Pin Male



840
3 Pin Male Chassis Mount



835 3 Pin Female



848 3 Pin Double Female



845
3 Pin Female Chassis Mount



849 3 Pin Double Male

RCA and S-Video Adapters



**Dual RCA
Jack Splice**
902A-2



**Triplex
RCA Jack
Splice**
902A-3



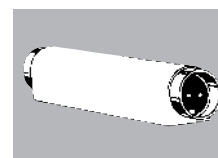
**S-Video
Adapter**
1402
SVHS Plug to
RCA Jack
Adapter



**S-Video
Adapter**
1403
SVHS Jack to
RCA Plug
Adapter



**S-Video
Adapter**
1404
SVHS Jack to
RCA Jack
Adapter



**Plastic
Molded
Type**
1407 4 Pin Mini
DIN S-VHS
Double Female

SMA Connectors

ELECTRICAL SPECIFICATIONS

Nominal Impedance: 50 Ohms
Frequency Range: 0-18 GHz
Voltage Rating: Per Mil-C-39012
Withstanding Voltage: Mil. Std. 202 (sea level) Method 301

RG Cable **VRMS**
178, 196 500

122, 174, 179
187, 188, 316 750

58, 141, 142
223, 303 1000

Insulation Resistance: Method 302, Tested Cond. B,
Mil. Std. 202, 5,000 Megohms Min.

Temperature Range: -65° to +165° Centigrade
Vibration: Method 204, Test Cond. D, Mil.
Std. 202. No discontinuity permitted

Shock: Method 213, Test Cond. 1, Mil. Std. 202.
No discontinuity permitted

Moisture Resistance: Method 106, Mil. Std. 202. No
measurements at high humidity. Insulation
resistance shall be at least 200 megohms
within 5 min. after removal from humidity.

MATERIALS

Male Contact: Brass per QQ-B-626, Gold Plated

Female Contact: Beryllium Copper per QQ-C-530,
Gold Plated

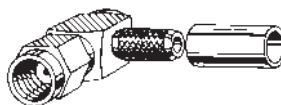
Gaskets: Silicone Rubber per ZZ-R-765

Dielectric: Teflon Polytetrafluoroethylene (TFE)

SMA Crimp & Solder Type

Male Right Angle Crimp

1551 for RG-58, RG-141
1552 for RG-59, RG-62
1553 for RG-174, RG-188, RG-316



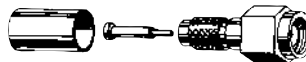
Female Crimp

1554 for RG-58, RG-141
1555 for RG-59, RG-62
1556 for RG-174, RG-188,
RG-316



Male Crimp

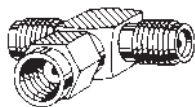
1557 for RG-58, RG-141
1558 for RG-59, RG-62
1559 for RG-174, RG-188,
RG-316



SMA Adapters

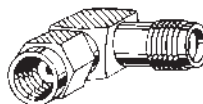
"T" Adapter

1568
Female/Male/Female

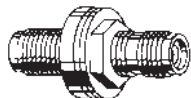


Right Angle

1569
Male/Female



**Double
Female
Bulkhead**
1570



Double Male
1571



**Double
Female**
1572



SMB Connectors

Straight Crimp Plug

1506 for RG-174/U, 188/U,
316/U, 196/U



R/A Crimp Plug

1507 for RG-174/U,
188/U, 316/U



Straight Crimp Plug

1508 for RG-174/U,
188/U, 316/U



Straight Crimp Jack

1509 for RG-174/U, 188/U,
316/U, 196/U



TNC Connectors

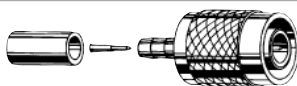
ELECTRICAL SPECIFICATIONS

Nominal Impedance:	50 Ohms
Frequency Range:	0-11 GHz
Voltage Rating:	AC 500V
Withstanding Voltage:	1500 Volts RMS
Insulation Resistance:	5000 Megohms Min.
VSWR:	1.3 Max.
Temperature Range:	67° to 390° F
Vibrations:	Mil. Std. 202 Method 204
Shock:	Mil. Std. 202 Method 202
Moisture Resistance:	Mil. Std. 202 Method 106

MATERIALS

Body Housing:	Brass
Male Contact:	Brass, Gold Plated
Female Contact:	Brass, Gold Plated
Crimp Ferrule:	Copper
Gasket:	Silicone Rubber
Dielectric:	Teflon or Delrin

TNC Connectors are miniature units. They are versions of BNC types with threaded coupling. Mating by 1/16-28 thread coupling

**Male Crimp Type**

3 Piece Construction

775 for RG-58

775-142 for RG-142, RG-55

779 for Micro 8/U (RG-8X)

780 for RG-59 & RG-62

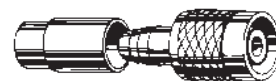
**Male Twist On**

1 Piece Construction

755 for RG-59 & RG-62

760 for RG-58

761 for RG-59 & 62 Teflon

**Male Crimp Type**

2 Piece Construction

765 for RG-59 & RG-62

767 for RG-59 & RG-62 Teflon

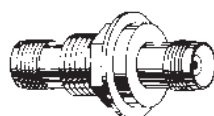
770 for RG-58

**Male Solder Plug**

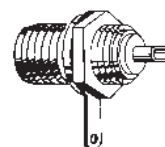
6 Piece Construction

740 for RG-59 & RG-62

745 for RG-58

**Double Female Bulkhead**

725

**Female Chassis Mount**

712

**Female Cable Crimp**

722 for RG-58

729 for RG-59 & RG-62

**Double Female**

750

**Right Angle Adapter**

718 Male/Female

7/16 DIN Connectors

**Straight Plug**

1510 for RG-8/U
1510-1 for RG-58/U

**Straight Jack**

1511 for RG-8/U
1511-1 for RG-58/U

**Jack, Panel Type**

1512

**Jack, Panel Type**

1513

MCX Connectors

**Straight Crimp Plug**

1514 for RG-174/U, 178/U,
188/U, 316/U

**R/A Crimp Plug**

1515 for RG-174/U, 178/U,
188/U, 316/U

**Straight Crimp Plug**

1516 for RG-174/U, 178/U,
188/U, 316/U

**Straight Crimp Jack**

1517 for RG-174/U, 178/U,
188/U, 316/U

MMCX Connectors



Straight Crimp Plug
1518 for RG-174/U, 178/U,
188/U, 316/U



Straight Crimp Jack
1519 for RG-174/U, 178/U,
188/U, 316/U



R/A Crimp Plug
1520 for RG-174/U, 178/U,
188/U, 316/U



R/A Crimp Plug
1521 for RG-174/U



Straight Crimp Jack
1522 for RG-178/U

Reverse Polarity Connectors



**BNC
Straight Crimp Plug**
1523 for RG-58/U
1523-1 for RG-59/U



**BNC
Straight Crimp Plug**
1524 for RG-213/U, 9913/U



**BNC
Straight Crimp Plug**
1525 for RG-174/U, 316/U



**BNC
Straight Crimp Jack**
1526 for RG-58/U
1526-1 for RG-59/U



**TNC
Straight Crimp Plug**
1527 for RG-58/U
1527-1 for RG-59/U



**TNC
Straight Crimp Plug**
1528 for 213/U, 9913/U



**TNC
Straight Crimp Jack**
1529 for RG-58/U
1529-1 for RG-59/U



**SMA
Crimp Plug**
1530 for RG-58/U
1530-1 for RG-174/U, 316/U



**SMA
R/A Crimp Plug**
1531 for RG-58/U
1531-1 for RG-174/U, 316/U



**SMA
Straight Crimp Jack**
1532 for RG-58/U
1532-1 for RG-174/U, 316/U

Reverse Polarity Adapters



**RP SMA Plug
to FME Plug**
1533



**RP SMA Plug
to BNC Jack**
1534



**RP SMA Jack
to "N" Plug**
1535



**RP SMA Plug
to "N" Plug**
1536



**RP SMA Plug
to SMA Plug**
1537



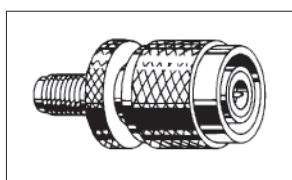
**RP SMA Plug
to RP TNC Jack**
1538



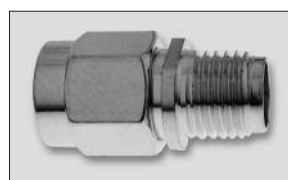
**RP SMA Jack
to SMA Plug**
1539



**RP SMA Plug
to "N" Jack**
1540



**RP SMA Jack
to RP TNC Plug**
1541



**RP SMA Plug
to SMA Jack**
1542

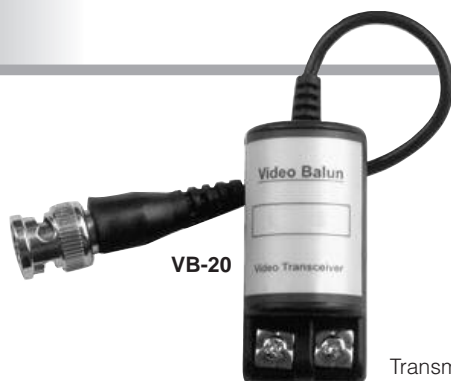
CCTV Surge Protector



**BNC Male to Female
Surge Protector**
SP-25

Protects Equipment from High Voltage Surges
Two Stage Protection: 130V AC/DC 12V

CCTV Video Baluns



**BNC Male to Quick
Push On Terminals**
VB-10 No Tools

**BNC Male 3" Lead
to Screw Terminals**
VB-20

Passive, No Power required
Transmits Signal B/W 600 Meters and Color 400 Meters.

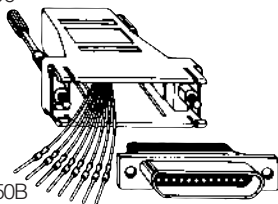


VB-10

D Sub Miniature to Modular Jack Adapters

Gray with
Thumbscrews
Kit Form - 1 pc
Type

Standard color
is gray. For
optional color
add to part
number.
Example: 32-250B
is Blue



B = Blue

Y = Yellow

G = Green

W = White

R = Red

BK = Black

I = Ivory

DB-9

Male

32-283 6 Contacts

32-284 8 Contacts

Female

32-280 6 Contacts

32-281 8 Contacts

DB-15

Male

32-286 6 Contacts

32-287 8 Contacts

Female

32-289 6 Contacts

32-290 8 Contacts

DB-25

Male

32-245 6 Contacts

32-250 8 Contacts

32-256 10 Contacts

Female

32-260 6 Contacts

32-265 8 Contacts

32-267 10 Contacts

MMJ-DEC

32-295 25 Pin Male

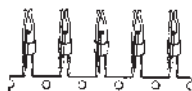
32-296 25 Pin Female

6 Contact Offset Type

Contact Pins

For Crimp Type 1200 Series

SOCKET



Socket

1260 5,000 Per Reel

1260L 100 Per Bag

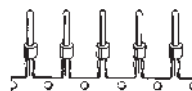
Plug

1265 5,000 Per Reel

1265L 100 Per Bag

High Density Pins

PLUG



Socket

1261 5,000 Per Reel

1261L 100 Per Bag

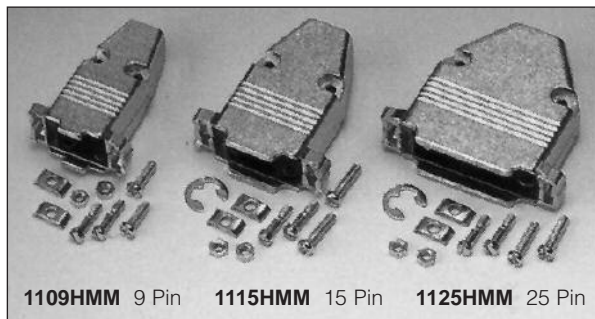
Plug

1262 5,000 Per Reel

1262L 100 Per Bag

D Sub Miniature Hoods

Deluxe Metal Ribbed Type



1109HMM 9 Pin

1115HMM 15 Pin

1125HMM 25 Pin

Plastic

1109H 9 Pin

1115H 15 Pin

1125H 25 Pin

Metalized

1109HM 9 Pin

1115HM 15 Pin

1125HM 25 Pin

D Sub Miniature Connectors



High Density Solder Type

1135P 15 Pin Male (3 rows of 5)

1135S 15 Pin Female (3 rows of 5)

Insertion/Extraction Tool



655 for RS-232

For Inserting Male
& Female Pins (1260 & 1265)



High Density Crimp Type Connector

1235P 15 Pin Male (3 rows of 5)

1235S 15 Pin Female (3 rows of 5)

Solder Type



Contact: Copper Alloy with Gold Plating
on Nickel Thermoplastic Insulator
UL94/V-0 Flame Retardant
For Gold Plated Shell Add "G" to Part #

# of Pins	Plug	Socket
9	1109P	1109S
15	1115P	1115S
25	1125P	1125S

Tinned Shell Crimp Type



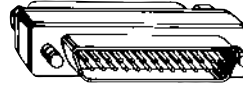
Press Fitted Tin Alloy on Nickel
Thermoplastic Insulator

# of Pins	Plug	Socket
9	1209P	1209S
15	1215P	1215S
25	1225P	1225S

Mini Gender Changers

- 32-101** 9 Pin Male to Male
32-104 9 Pin Female to Female
32-106 15 Pin Male to Male
32-107 15 Pin Female to Female
32-108 25 Pin Male to Male
32-109 25 Pin Female to Female

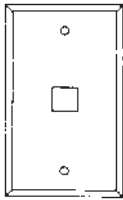
Mini Gender Changers



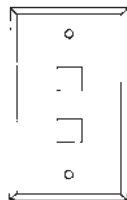
- 32-111** Male to Female (25 Pin)
32-123 15 Pin High Density Male to Male
32-124 15 Pin High Density Female to Female

Keystone Wall Plates

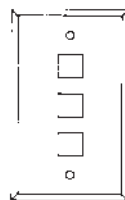
Wall Plates for Voice & Data



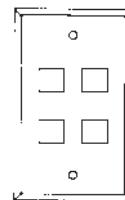
- Plastic:**
137 1 Cutout-Ivory
137W 1 Cutout-White



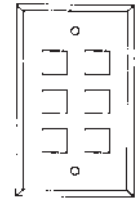
- Plastic:**
138 2 Cutouts-Ivory
138W 2 Cutouts-White



- Plastic:**
139 3 Cutouts-Ivory
139W 3 Cutouts-White

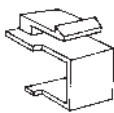


- Plastic:**
147 4 Cutouts-Ivory
147W 4 Cutouts-White

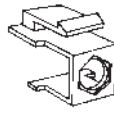


- Plastic:**
148 6 Cutouts-Ivory
148W 6 Cutouts-White

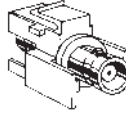
Inserts for Above Keystone Wall Plates



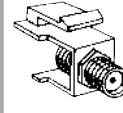
- 149** Blank-Ivory
149W Blank-White



- 150** For "F" Connector - Ivory
150W For "F" Connector - White



- 151** With BNC Bulkhead Female - Ivory
151W With BNC Bulkhead - White



- 156** With "F" Double Female Splice-Ivory
156W With "F" Double Female Splice-White

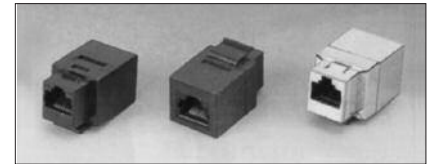
Keystone Type Inserts



2300 Fiber Optic ST Adapter



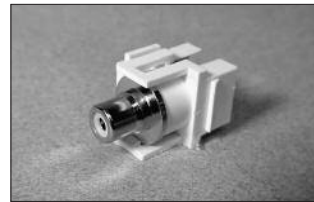
2301 RCA Female to Female Bulkhead



- 2305** Cat. 5E Coupler RJ-45 F-F
2305-6 Cat. 6 Coupler RJ-45 F-F
2306 Cat. 5E Shielded RJ-45 F-F



- 2302** S-Video 4 Pin Mini Din F-F
2303 6 Pin Mini Din F-F
2304 8 Pin Mini Din F-F



155W RCA Female to 'F' Female Adapter

Keystone Type Jacks

Accepts 22-26 AWG solid or 20-26 AWG 7-Strand Conductors, Maximum Insulation Diameter of .050".



- 1247-3 Category 3**
 • 110 Type Termination
 • 6 Position, 6 Contact
 • 568B Wiring (AT&T & Weico)
 568A Wiring is available upon request

- 1247-5 Category 5E**
 • 110 Type Termination
 • 8 Position, 8 Contact
 • 568B Wiring (AT&T & Weico)
 568A Wiring is available upon request

- 1247-6 Category 6**
 • 110 Type Termination
 • 8 Position, 8 Contact
 • 568B Wiring (AT&T & Weico)
 568A Wiring is available upon request

Standard color is black. For optional color add to part no.

B = Blue Y = Yellow R = Red I = Ivory W = White G = Green GR = Gray Example: 1246-5B is Blue

Printer Cables (IEEE-1284)

SPECIFICATIONS

Shells and Casings: 350° soldered copper Foil over internal PE or Hytrel® molding with PVC overmold.

Insulator Material: PBT 94V-O Thermoplastic.

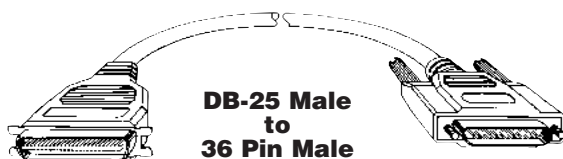
Contact Material: Copper Alloy or Phosphor Bronze.

Contact Plating: 99% pure hard gold on mating areas

Wire: 17 or 18-pr., 28awg UL20276, VW-1, PVC Alum-Foil + Braid Shielding w/25% min. overlap. Braid 85% coverage.

Voltage Rating: 30 volts

Temperature Rating: 80° C

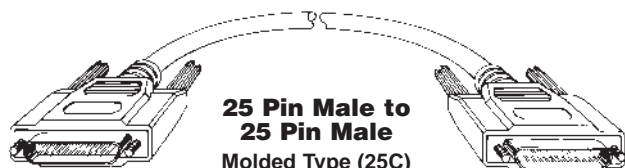


**DB-25 Male
to
36 Pin Male**

32-617 6 ft.
32-619 15 ft.

32-618 10 ft.
32-620 25 ft.

Computer Cable Assemblies

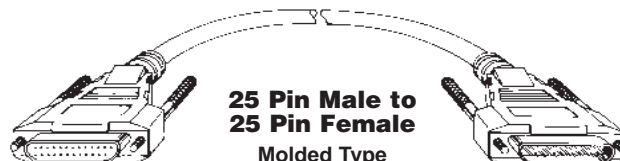


**25 Pin Male to
25 Pin Male**

Molded Type (25C)

Pinning Wired Straight Thru

32-045-3 3 ft. **32-046** 10 ft.
32-045 6 ft. **32-047** 25 ft.

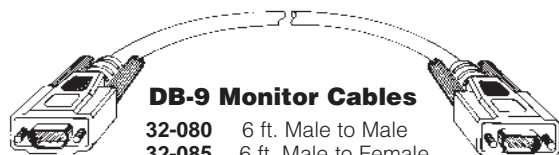


**25 Pin Male to
25 Pin Female**

Molded Type

Pinning Wired Straight Thru

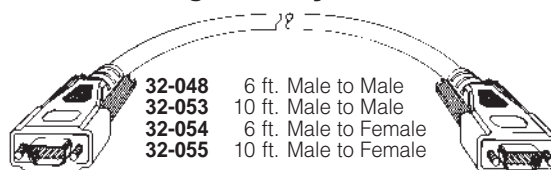
32-050 6 ft. **32-052** 25 ft.
32-051 10 ft.



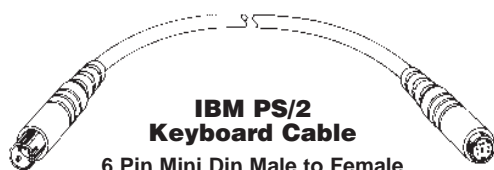
DB-9 Monitor Cables

32-080 6 ft. Male to Male
32-085 6 ft. Male to Female
32-086 10 ft. Male to Female

15 Pin High Density VGA Cables



32-048 6 ft. Male to Male
32-053 10 ft. Male to Male
32-054 6 ft. Male to Female
32-055 10 ft. Male to Female



**IBM PS/2
Keyboard Cable**

6 Pin Mini Din Male to Female
32-041 6 ft.

AC Power Cord

32-075

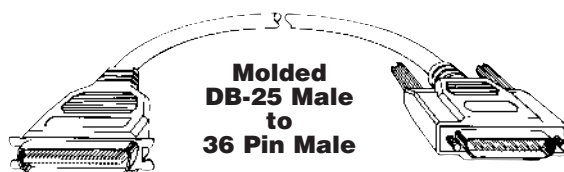
6 ft. ft. UL &
CSA Approved



**Monitor
Extension Cord**

32-075 6 ft.

Printer Cables



**Molded
DB-25 Male
to
36 Pin Male**

32-610 6 ft. (25C)
32-611 10 ft. (25C)
32-612 15 ft. (25C)
32-614 25 ft. (25C)

DVI Digital Interface Cables



DVI Digital Interface Cables

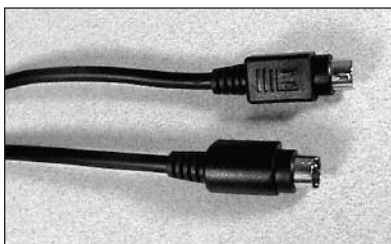
Single Link
Resolution: 1920 x 1080
32-805 6 ft.



DVI Digital Interface Cables

Dual Link
Resolution: 2048 x 1536
32-806 6 ft.

Fiber Optic Audio and SVHS Video Cables



S-Video Patch Cords

SVHS to SVHS Plug • Gold Plated

948 6 ft. 949-50 50 ft.

949 12 ft. 949-100 100 ft.

949-25 25 ft.



S-Video & RCA Stereo Cables

Gold Plated

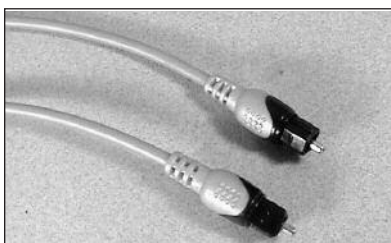
32-822 6 ft. 32-823 12 ft.



S-Video & Fiber Optic Cables

Gold Plated

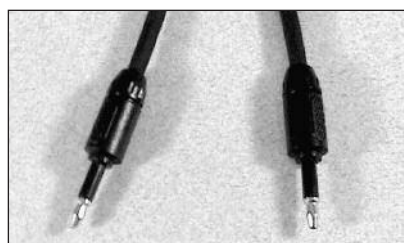
32-824 6 ft. 32-825 12 ft.



Fiber Optic Cables

Toslink to Toslink

32-826 6 ft. 32-827 12 ft.



Mini Fiber Optic Cables

Mini Fiber Optic Plug Both Ends

32-890 6 ft. 32-891 12 ft.



Fiber Optic to Mini Fiber Optic Cables

Toslink to Mini Fiber Optic Plug

32-893 6 ft. 32-894 12 ft.

Fiber Optic Adapters



Toslink Jack to Toslink Jack Splice

32-900



Mini Fiber Jack to Mini Fiber Jack Splice

32-901



Toslink Jack to Mini Fiber Jack Adapter

32-902



Toslink Plug to Mini Fiber Jack Adapter

32-903



Toslink Jack to Mini Fiber Plug Adapter

32-904

HDTV VGA Digital Link Cables



Digital Link Cable

VGA to 3 RCA Plugs

32-829 6 ft.



Digital Link Cable

VGA to 5 RCA Plugs

32-837 6 ft.



Digital Link Cable

VGA to 3 BNC Male

32-828 6 ft.



Digital Link Cable

VGA to 5 BNC Male

32-830 6 ft.

Component Video Hook-Up Cables



Component Video Cables

3 RCA to 3 RCA Plugs
Color Coded Connectors
32-880 6 ft.
32-881 12 ft.



Component Video/Audio Cables

5 RCA to 5 RCA Plugs
Color Coded Connectors
32-820 6 ft.
32-821 12 ft.



Component Video Cables

with Fiber Optic Audio Cables
3 RCA & 1 Fiber Optic Plug each End
Color Coded Connectors
32-882 6 ft.
32-883 12 ft.

Deluxe Cat. 5E & 6 Patch Cords

Category 5E Enhanced 350 MHz Patch Cords

32-757-5	1 ft.	32-762-5	10 ft.
32-758-5	2 ft.	32-763-5	14 ft.
32-759-5	3 ft.	32-764-5	25 ft.
32-760-5	5 ft.	32-765-5	50 ft.
32-761-5	7 ft.	32-766-5	100 ft.

Category 6 550MHz Patch Cords

32 - 669	1 ft.	32 - 772	14 ft.
32 - 770	3 ft.	32 - 773	25 ft.
32 - 770-5	5 ft.	32 - 774	50 ft.
32 - 771	7 ft.	32 - 775	100 ft.
32 - 771-10	10 ft.		



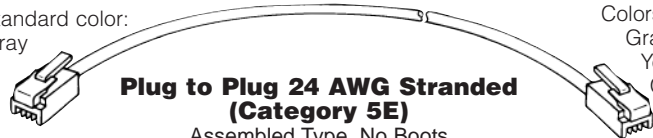
- Patented Color Coded Strain Relief Boot
- UL & ETL Verified
- Colored Cable with Colored Boots
- Category 5E & 6 PVC Cable
- UL Listed
- Modular Plugs
- 50 Micro Inch Gold Plating
- 568B Wiring (AT&T & Weico)
- 568A Wiring is available upon request

Standard color is Gray.
For optional color add to part number

B = Blue Y = Yellow G = Green R = Red
O = Orange BL = Black W = White
Example: 32-761-5B is Blue

Category 5E Patch Cords

Standard color:
Gray



Plug to Plug 24 AWG Stranded (Category 5E)

Assembled Type, No Boots

32-509-5	4 Pair	1 ft.	32-514-5	4 Pair	25 ft.
32-511-5	4 Pair	3 ft.	32-515-5	4 Pair	10 ft.
32-512-5	4 Pair	7 ft.	32-516-5	4 Pair	50 ft.
32-513-5	4 Pair	14 ft.	32-517-5	4 Pair	100 ft.

Colors available:
Gray, Orange,
Yellow, Blue,
Green, Red

Crossover Patch Cables (Category 5E)

32-625	4 Pair	3 ft.	32-629	4 Pair	14 ft.
32-626	4 Pair	5 ft.	32-630	4 Pair	20 ft.
32-627	4 Pair	7 ft.	32-631	4 Pair	25 ft.
32-628	4 Pair	10 ft.			

Category 5E & 6 Couplers

1293 RJ-45 Category 5E

- Female to Female RJ-45
- UL/CSA Listed



1293-6 RJ-45 Category 6

- Female to Female RJ-45
- UL/CSA Listed

Category 5E & 6 Cables



Standard Color: Gray
Other Colors Available

APPLICATIONS:

- 10 BaseT (IEEE 802.3)
- Fast Ethernet (IEEE 802.3u)
- 100 Vg-AnyLAN (IEEE 802.12)
- Token Ring (IEEE 802.5)
- TP-PMD (ANSI X3T9.5)
- 100 Mbps CDDI
- ATM155

INDUSTRY STANDARDS:

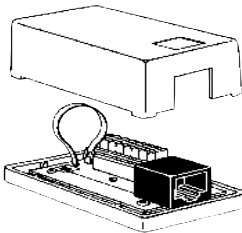
- UL/CSA Listed CM, CMR, CMP
- UL and ETL Verified to ANSI/TIA/EIA568A Category 5
- EC Verified
- ISO/IEC-11801
- NEMA WC 63.1

PRODUCT DESCRIPTION:

- Conductors: 24AWG Bare Solid and Stranded Copper
- Insulation: HDPE, FRPE, 100% FEP
- Ripcord: Under Jacket
- Jacket: FRPVC

Description	CZ No.	No. of Pairs	Jacket Color	Insul. Thick (mm/inch)	Nom. O.D. (mm/inch)	Weight (lb/kg/kft)	Flame Rating	Packaging Put-Up	Cable
Enhanced Category 5 350 MHz UTP Cables (Solid and Stranded • Round)	8230-5E	4	Gray	0.20/0.0078	5.3/0.21	23.110.5	CMR	1000' Reelx	Solid PVC
	8230-5EP	4	Gray	0.18/0.0075	4.9/0.19	23.5/10.7	CMP	1000' Reelx	Solid Plenum
	8231-5E	4	Gray	0.20/0.0078	5.5/0.22	23.8/10.8	CM	1000' Reelx	Stranded PVC
Ultra Enhanced Category 6 550 MHz UTP Cable	8231-6	4	Gray	0.20/0.0078	5.3/0.21	23.5/10.7	CMR	1000' Reelx	Stranded PVC
Ultra Enhanced Category 6 550 MHz UTP Cable	8233-6	4	Gray	0.20/0.0078	5.3/0.21	23.5/10.7	CMR	1000' Reelx	Solid PVC
Ultra Enhanced Category 6 550 MHz UTP Cable	8235-6	4	Gray	0.20/0.0078	5.3/0.21	23.5/10.7	CMR	1000' Reelx	Solid Plenum

Surface Mounts

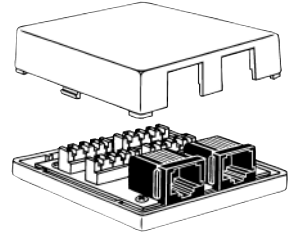


Single Surface Mount - 8C

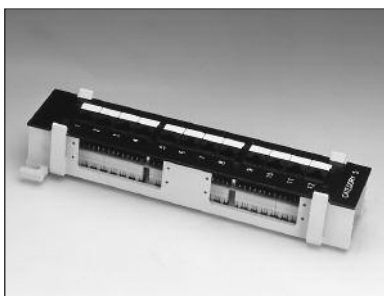
- 1774** Ivory
1774W White
- 110 Type Punch Down
 - Category 5E
 - 50 Micro inch Gold Plating
 - Cable Range: 22 to 28 Ga.
- 1774-6** Category 6 Ivory
1774W-6 Category 6 White

Duplex Surface Mount - 8C

- 1776** Ivory
1776W White
- 110 Type Punch Down
 - Category 5E
 - 50 Micro inch Gold Plating
 - Cable Range: 22 to 28 Ga.
- 1776-6** Category 6 Ivory
1776W-6 Category 6 White



Category 5E & 6 Patch Panels



Category 5E & 6 Patch Panels

1812 12 Port Mini with Bracket
1812-6 12 Port Category 6

- Mini Patch Panel
 - Category 5E & 6
 - Mounting Bracket Included
 - 568B Wiring (AT&T & Weico)
- 568A Wiring is available upon request

Category 5E • 350 MHz Patch Panels • 110 Style

- The Category 5E UIP patch panel tested at frequencies of 350 MHz. Support data rates up to 350 Mbps meet and exceed ANSI/EIA/TIA 568A Category 5E standards.
- Mount in EIA standard 19" relay rack cabinet or wall-mount brackets

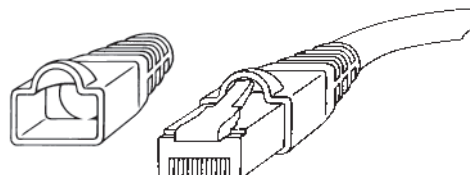
- 110 IDC contacts and RJ-45 jack with choice of EIA/TIA 568A or 568B pinning
- High performance printed circuit boards (PCB) minimizing Cross Talk
- Front panel is metal; textured black paint screened with port numbers
- Back of panel 110 connector terminates 22-26 AWG solid wire or 20-26 AWG stranded wire
- Panels are available in 24, 48 and 96 ports



CZ #	PORTS	CATEGORY	WIRING	SIZE: H X W X D	RACK SPACE
1812R	12	5E	568B (AT&T 258A)	1-3/4" x 19" x 2"	1
1824E	24	5E	568B (AT&T 258A)	1-3/4" x 19" x 2"	1
1824-6	24	6	568B (AT&T 258A)	1-3/4" x 19" x 2"	1
1848E	48	5E	568B (AT&T 258A)	3-1/2" x 19" x 2"	2
1848-6	48	6	568B (AT&T 258A)	3-1/2" x 19" x 2"	2
1896E	96	5E	568B (AT&T 258A)	7" x 19" x 2"	4
1896-6	96	6	568B (AT&T 258A)	7" x 19" x 2"	4

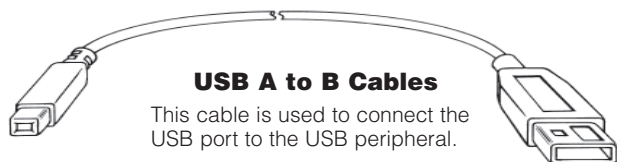
Strain Reliefs

- Molded Rubber w/Clip Protector
- For 4 Pair Cable Category 5 with RJ-45
- One Piece
- Cable Entry Diameter .250" (6.35mm)



- 1432** Gray
1433 Black
1434 Blue
1435 White
1436 Red
1437 Yellow
- 1438** Green
1439 Orange
1440 Beige
1441 Ivory
1442 Purple
1443 Pink

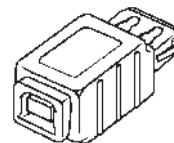
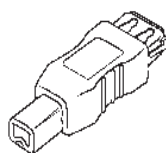
USB Cables & Adapters



USB A to B Cables

This cable is used to connect the USB port to the USB peripheral.

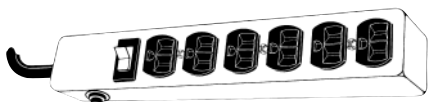
- 32-930** 3' A Male to B Male
- 32-931** 6' A Male to B Male
- 32-932** 10' A Male to B Male
- 32-933** 15' A Male to B Male



Gender Changers USB Serial Adapters

- 32-934** A Type Female to B Type Male
- 32-935** A Type Male to B Type Female
- 32-936** A Type Female to B Type Female

Surge Protectors



SP-1

Metal 6 Outlet Surge Protector with 225 joules and Full Surge, EMI/RFI, Lighted Rocker Switch, 15 Amp Breaker.

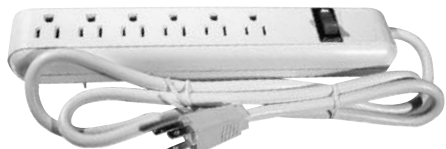
SP-6 Same as SP-1 but with 75 Joules and Basic Surge and no EMI/RFI.



SP-9

Plastic 6 Outlet Surge Protector with 75 Joules and Basic Surge, Color Box, 2.5 ft. Cord, Sleeve Packing.

SP-10 Same as SP-9 but with 225 Joules and Full Surge.



SP-20

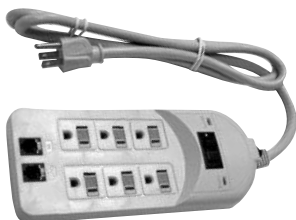
Plastic 6 Outlet Surge Protector with 75 Joules and Basic Surge, Lighted Rocker Switch, 15 Amp Breaker.

SP-21

Same as SP-20 but with 360 Joules and Full Surge, EMI/RFI.

SP-21-15

Same as SP-21 but with 360 Full Joules and 15 ft. cord



SP-29

Plastic 6 Outlet Surge Block with 420 Joules, 2x3, Full Surge, EMI/RFI, Fax/Phone/Modem Protection, Indicator Light, Lighted Rocker Switch, 15 Amp Breaker.



SP-30

Plastic 6 Outlet Surge Protector with 750 Joules, EMI/RFI, On/Off Rocker Switch, 15 Amp Breaker, \$25,000 Equipment Insurance Warranty.



SP-31

7 Outlet Gold Pinnacle Surge Protector with 540 Joules, EMI/RFI, 2 Outlets for Large Adapters, Indicator Light, \$50,000 Equipment Insurance Warranty.



SP-32

7 Outlet Gold Pinnacle Surge Protector with 2120 Joules, EMI/RFI, 2 Outlets for Large Adapters, Indicator Light, Phone/Fax/Modem Protection, 100% Equipment Insurance Warranty.



SP-33

7 Outlet Gold Pinnacle Surge Protector with 2120 Joules, 2 Line Fax/Modem/Phone Protection, 2 Line DSS/Coaxial Protection, Child Safety Locks, 100% Equipment Insurance Warranty, 3 Outlets for Large Adapter Plugs, EMI/RFI, 15 ft. Line Cord, Black.

SP-34

Same as SP-33 but Gray.

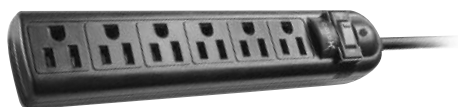
SP-35

Same as SP-33 but Silver.



SP-710M

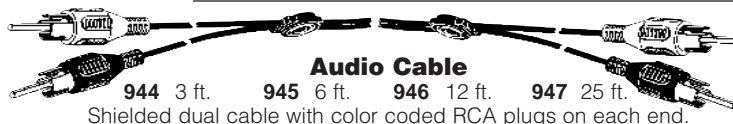
Black Plastic 8 Outlet Surge Protector with 1140 Joules. Fax/Modem Protection. Extra Space for 3 Large AC Adapters. Surge and Ground LED Indicator. EMI/RFI Noise Filtering. Illuminated On/Off Switch.



SP-21BK

Plastic 6 Outlet Surge Protector with 270 Joules and Full Surge, Lighted Rocker Switch, 15 Amp Breaker. Color: Black.

Stereo & Audio Cable Assemblies



Audio Cable

944 3 ft. 945 6 ft. 946 12 ft. 947 25 ft.

Shielded dual cable with color coded RCA plugs on each end.



Audio Cable

902-3 3 ft. 902 6 ft. 903 12 ft.

Shielded cable with molded RCA phono plug on each end.



Audio Cable

941 6 ft.

Shielded cable with molded RCA Male to Female.

Shielded "Y" Cable Assemblies



2 RCA Plugs to 2 RCA Jacks

930 8 Inches



RCA Plug to 2 RCA Jacks

931 8 Inches



Stereo Mini Plug to 2 RCA Jacks

932 8 Inches



Stereo Mini Plug to 2 RCA Plugs

933 8 Inches

Video Cable Assemblies



Deluxe "Gold End" Double RCA Extra Heavy Duty

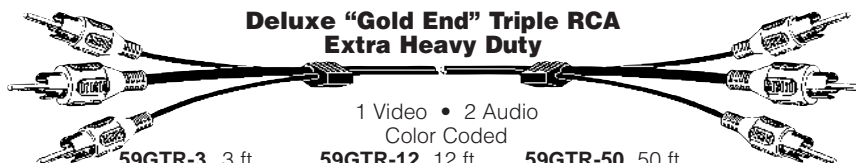
1 Video • 1 Audio

59GDR-3 3 ft.

59GDR-6 6 ft.

59GDR-12 12 ft.

59GDR-25 25 ft.



Deluxe "Gold End" Triple RCA Extra Heavy Duty

1 Video • 2 Audio
Color Coded

59GTR-3 3 ft.

59GTR-6 6 ft.

59GTR-12 12 ft.

59GTR-25 25 ft.

59GTR-50 50 ft.



S VHS Video Cable Assemblies

4 Pin Mini Din • Male to Male

949 12 ft. 948 6 ft. 949-25 25 ft. 949-50 50 ft. 949-100 100 ft.



Push On F-59 Male Each End

RG-59 75 Ohm

59DD-3 3 ft.

59DD-6 6 ft.

59DD-12 12 ft.

59DD-25 25 ft.



RCA Male to RCA Male, 75 Ohm

RG-59 75 Ohm

59RR-3 3 ft.

59RR-6 6 ft.

59RR-12 12 ft.

59RR-25 25 ft.

Coaxial Cable Assemblies



F-59 Male to Male

RG-59/U

59FF-1	1 ft.	59FF-12	12 ft.	59FF-75	75 ft.
59FF-3	3 ft.	59FF-25	25 ft.	59FF-100	100 ft.
59FF-6	6 ft.	59FF-50	50 ft.		

Standard Color Black. White available upon request.



F-56 Male to Male

RG-6/U

6FF-3	3 ft.	6FF-25	25 ft.	6FF-100	100 ft.
6FF-6	6 ft.	6FF-50	50 ft.	6FF-150	150 ft.
6FF-12	12 ft.	6FF-75	75 ft.		

Standard Color Black. White available upon request.



BNC Male to Male

RG-58/U BNC

58BB-3	3 ft.	58BB-25	25 ft.
58BB-6	6 ft.	58BB-50	50 ft.
58BB-12	12 ft.	58BB-100	100 ft.

RG-59/U BNC

59BB-1	1 ft.	59BB-12	12 ft.
59BB-3	3 ft.	59BB-25	25 ft.
59BB-6	6 ft.	59BB-50	50 ft.

59BB-100 100 ft.

RG-179/U BNC

179BB-3	3 ft.
179BB-6	6 ft.

Standard Color Black. White available upon request.

Modular Plugs

SPECIFICATIONS:

Material and Finish:

Housing: Polycarbonate (PC)
Contacts: Copper Alloy
Selective Gold Over Nickel Plate

Operating Temperature:

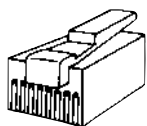
-20°C to 80° C

Mechanical:

Cable-to-Plug Tensil.
Strength: 20 lbs mn.
Durability: 500 Cycles min.

Electrical:

Rated Voltage, Current: 30 VAC at 1.5 amps
Contact Resistance: 10 milliohms max.
Dielectric Strength: 1000 VAC (RMS).
Insulation Resistance: 500 Megaohms min.



Category 6 RJ-45 Modular Plug

600 8 Contact, 8 Position

For Round Stranded Conductor Cable

551 4 Contact, 6 Position
552 6 Contact, 6 Position
553 8 Contact, 8 Position
554 10 Contact, 10 Position

For Flat Line Cords

560 4 Contact, 6 Position
561 6 Contact, 6 Position
562 8 Contact, 8 Position
563 8 Contact (Keyed), 8 Position
566 10 Contact, 10 Position

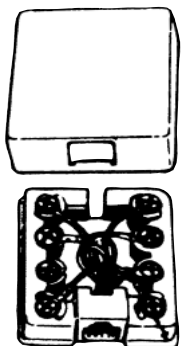
For Round Solid Conductor Cable

• 3 Prong Contact Design
595 4 Contact, 6 Position
596 6 Contact, 6 Position
597 8 Contact, 8 Position

For Handset Cords

558 4 Contact, 4 Position

Modular Jack Deluxe with Snap On Cover & Adhesive Mount

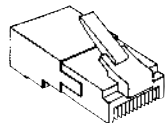


520 4 Contact
525 6 Contact
526 8 Contact

RJ-31X with Shorting Bar

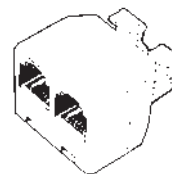
504 8 Contact, 8 Position
504UL 8 Contact, 8 Position
UL Listed

Shielded Modular Plugs



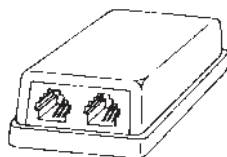
598 8-C RJ-45
Category 5
Round Solid Cable
599 8-C RJ-45
Category 5
Round Stranded Cable

Modular Duplex Adapter 2 Jacks to 1 Plug



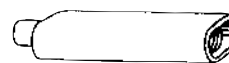
503 4 Contact
507 6 Contact
508 8 Contact

Modular Surface Mount Dual



519 • RJ-11 4 Contact
• Duplex
• Screw Terminals

"B" Connectors and Splices



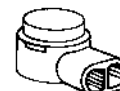
B Connector
190

Accepts three strands of 22 or 24 gauge wire.
190G Gel Filled



191 UR Splice

For general butt splicing with three ports for two or three 19 to 26 gauge wire connections.



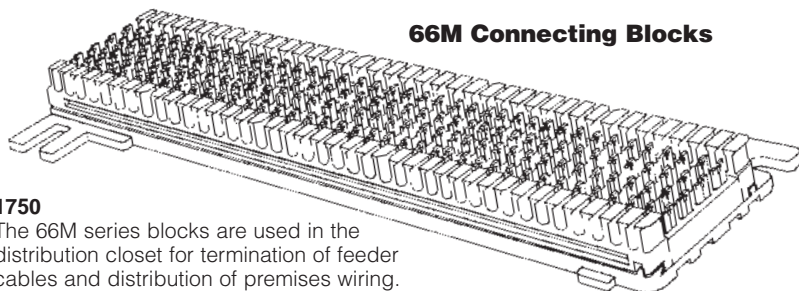
192 UY Bundle Splice

Accepts two-wire combinations of 22 to 26 gauge.



193 UB Space Saving Tap Splice
For 22 to 26 gauge wire.

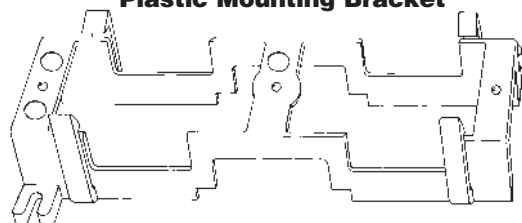
66M Connecting Blocks



1750

The 66M series blocks are used in the distribution closet for termination of feeder cables and distribution of premises wiring.

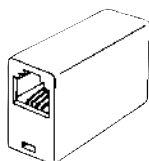
Plastic Mounting Bracket



1751 The 89 series of brackets are used in conjunction with the 66M blocks and provide storage and routing of feeder and distribution cables.

Telephone Accessories

Modular Cord Couplers



Reverse Wiring

509 4 Contact
510 6 Contact
511 8 Contact

Wired Straight Thru

514 6 Contact
516 8 Contact



Bridging Clip and Cover

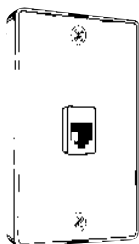
1755 Tin-Plated Copper Alloy Clips:
 2-position clip, 25 per polybag
1756 Clear Plastic Snap-On Cover
 for 66 Block



Distribution Wire Post

1752 Used in the distribution closet for routing of various cables.

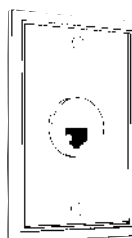
Modular Wall Plates



Wall Mount Phone Jacks

UL Listed

536 4 Contacts – Ivory
537 6 Contacts – Ivory
541 4 Contacts – White
543 6 Contacts – Stainless Steel



Flush Mount Modular Wall Jacks

UL Listed

527 4 Contacts – Ivory
534 4 Contacts – White
528 6 Contacts – Ivory
528W 6 Contacts – White
529 8 Contacts – Ivory
529W 8 Contacts – White



Modular Duplex Combo Wall Plates

535 1 RJ-11, 1 F-81, Ivory
535W 1 RJ-11, 1 F-81, White
535-2G 1 RJ-11, 1 F-81 2 GHz – White or Ivory

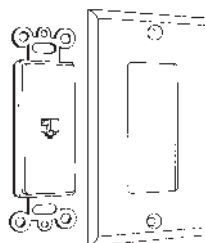


Modular Wall Plates

UL Listed

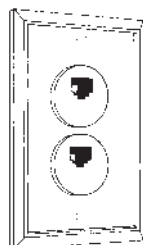
Smooth Finish

584 4-C RJ-11 – Ivory
585 4-C RJ-11 – White
585D 4-C Dual – White
1410 6-C – White
1411 6-C – Ivory
1412 8-C – White
1413 8-C – Ivory
1414 6-C Dual – White
1415 8-C Dual – White



Modular Wall Plates

586 4 Contacts
 RJ-11 Designer Style – Ivory
587 4 Contacts
 RJ-11 Designer Style – White



Duplex Modular Wall Jacks

UL Listed

530 4 Contacts – Ivory
530W 4 Contacts – White
531 8 Contacts – Ivory
532 6 & 8 Contacts – Ivory
540 6 Contacts – Ivory



Modular Duplex Combo Wall Plates

535D with 1 Phone Jack (RJ-11) & 2 F-81 Splices – Ivory
535DW with 1 Phone Jack (RJ-11) & 2 F-81 Splices – White
535D-2G 1 RJ-11, 2 F-81 2 GHz – White or Ivory

Modular Line Cords



Plug to Plug (Reverse Wiring) Telephone Use

4 Conductor

554-01 1 foot
554-07 7 feet
554-15 15 feet
554-25 25 feet
554-50 50 feet
554-100 100 feet

6 Conductor

556-01 1 foot
556-07 7 feet
556-15 15 feet
556-25 25 feet
556-50 50 feet
556-100 100 feet

8 Conductor

558-01 1 foot
558-07 7 feet
558-15 15 feet
558-25 25 feet
558-50 50 feet
558-100 100 feet

Silver Satin Flat

Plug to Plug (Wired Straight Thru) Data Use

4 Conductor

554-01S 1 foot
554-07S 7 feet
554-15S 15 feet
554-25S 25 feet
554-50S 50 feet
554-100S 100 feet

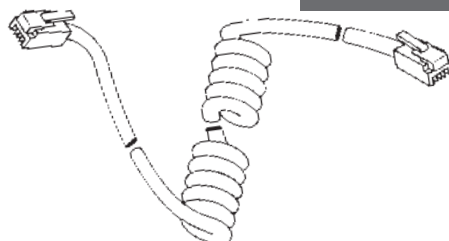
6 Conductor

556-01S 1 foot
556-07S 7 feet
556-15S 15 feet
556-25S 25 feet
556-50S 50 feet
556-100S 100 feet

8 Conductor

558-01S 1 foot
558-07S 7 feet
558-15S 15 feet
558-25S 25 feet
558-50S 50 feet
558-100S 100 feet

Modular Extension & Coiled Cords



Modular Coiled Handset Cords

15 feet

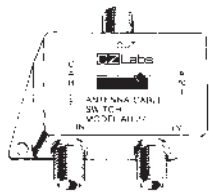
548-15 Ivory
548-15-01 Black
548-15-02 White

25 feet

548-25 Ivory
548-25-01 Black
548-25-02 White

Cable Switches

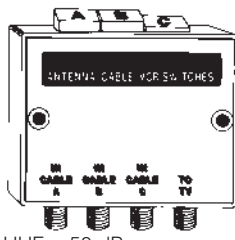
Antenna Cable Switch



AB-27
Input: 75 Ohm
Output: 75 Ohm
Isolation:
A & B = 75 dB,
A & TV = 75 dB
B & TV = 75 dB

Antenna Cable VCR Switch

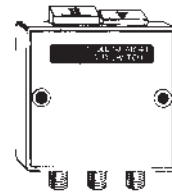
AB-36
Input:
3 to 75 Ohm
Type:
Push Button
High Isolation:
VHF = 60 dB; UHF = 50 dB



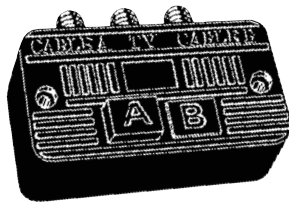
AB Switch

AB-41 Push Button Version

- Designed for 2-75 Ohm Inputs to One TV Set
- Die-Cast Housing
- 90 dB Isolation
- Antenna System & Cable System to One TV Set
- VCR & Antenna System to One TV Set



A/B low Profile Switch



AB-45

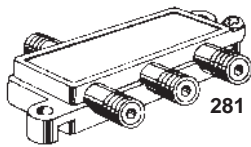
SPECIFICATIONS:

Bandwidth: 5 to 1750 MHz
Impedance: 75 ohm

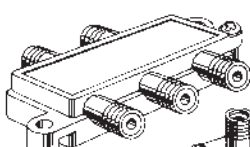
	5-47 MHz	54-216 MHz	217-550 MHz
Isolation:	100 dB	90 dB	60 dB
Return Loss:	20 dB	20 dB	18 dB
	551-1450 MHz	1451-1750 MHz	
Isolation:	60 dB	55 dB	
Return Loss:	16 dB	16 dB	

Black Die-Cast Housing
90 dB Isolation

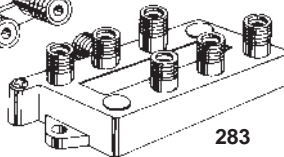
Ultra Splitters (5 MHz to 1 GHz)



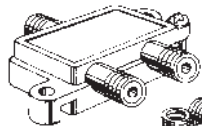
281



282



283



284

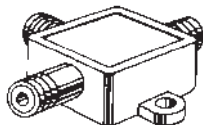
FEATURES:

- Soldered backplate provides 130 dB RF Shielding
- Printed circuit network ensures performance up to 1 GHz
- Specially plated Zinc alloy housing for excellent corrosion resistance
- 1/2" machined "F" Ports with 360° sealing sleeves
- Port spacing allows easy installation of security shields

SPECIFICATIONS:	280 2-Way	281 3-Way	282 4-Way	283 6-Way	284 8-Way
Bandwidth:	5-1000 MHz	5-1000 MHz	5-1000 MHz	5-1000 MHz	5-1000 MHz
Insertion Loss:	3.5-4.4	5.5-6.0	7-8.2	10-13	10-13
Isolation:	20-24	20-25	20-25	16-20	16-20
Return Loss:	15-20	16-18	15-18	15-13	9-12

Splitters (5-900 MHz)

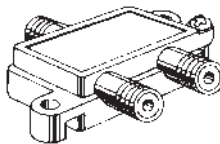
2 Way Zinc Cast Hybrid Splitter (Mini)



241

- 5-900 MHz
- 3.5 dB Insertion Loss
- 20 dB Isolation
- DC Pass

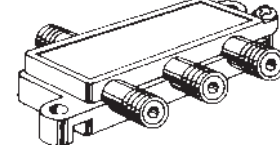
2 Way Zinc Cast Hybrid Splitter



242

- 5-900 MHz
- 3.5 dB Insertion Loss
- 20 dB Isolation
- DC Pass

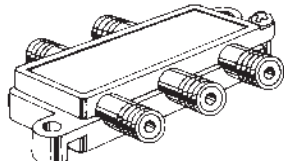
3 Way Zinc Cast Hybrid Splitter



243

- 5-900 MHz
- 3.5 dB Insertion Loss
- 1 Port 3.5 dB, 2 Ports 6.5 dB
- 20 dB Isolation
- DC Pass

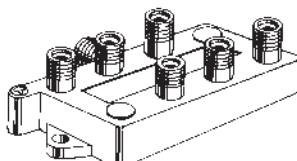
4 Way Zinc Cast Hybrid Splitter



244

- 5-900 MHz
- 6.5 dB Insertion Loss
- 20 dB Isolation
- DC Pass

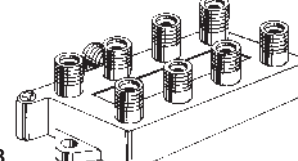
6 Way Zinc Cast Hybrid Splitter



246

- 5-900 MHz
- 6.5 dB Insertion Loss
- 20 dB Isolation
- DC Pass

8 Way Zinc Cast Hybrid Splitter



248

- 5-900 MHz
- 20 dB Isolation
- DC Pass
- 12 dB Insertion Loss

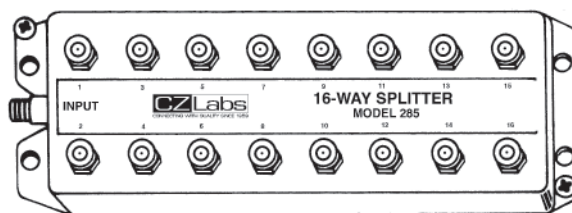
1000 MHz 16-Way Splitter

285

The 285 16-way Splitter features a printed circuit board to provide outstanding performance of 1000 MHz. This Splitter may be used where cascading several splitters to meet the demands of MDU are needed.

SPECIFICATIONS:

Bandwidth MHz:	5-50	54-400	400-500	500-750	750-1000
Insertion Loss:	13	13	14	14	17
Isolation (dB) Min.:	25	27	28	28	25
Input Return Loss:	16	17	17	18	16
Dimensions:	3-15/16" W x 9-5/8" L x 1-3/8"H				



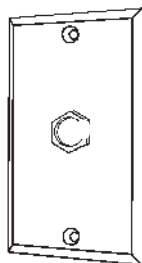
Plastic with Smooth Finish



Coax Type "F" Double Female Splice

- 675** Ivory with 1 F-81
- 675D** Ivory with 2 F-81
- 675W** White with 1 F-81
- 675DW** White with 2 F-81
- 675-2G** Ivory or White with 1 F-81, 2 GHz
- 675D-2G** Ivory or White with 2 F-81, 2 GHz

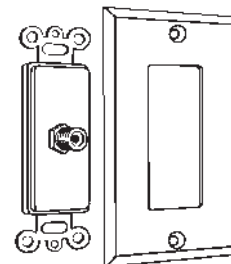
Hex Hole



- 677** Ivory Hex Hole Center
- 677W** White Hex Hole Center

Wall Plates

Television

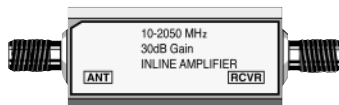


- 1490** White
- 1492** Ivory
- Designer Styling
- Flush Mount
- Plastic with F-81

Bullet Type In-Line Amplifiers

454

- Die-Cast Housing with Nickel Plating
- Sloped Gain for Long Cable Runs
- Frequency Range: 5-2050 MHz
- Completely Weatherproof



In-Line Satellite Amplifier

SPECIFICATIONS:

Bandwidth MHz:	10-40	40-470	470-900	950-2050
Gain (dB Min.):	14	16	18	13
Maximum Output:	30 dBmV (12 Channel)			
Noise Figure (dB Max.):	4 dB Typical			
Operating Power:	15-18 VDC-Negative Ground			
Connectors:	75 Ohm F-Type Female			

5-2300 MHz Digital Wideband Splitters

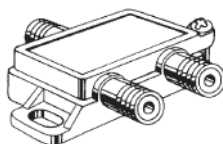
- 5-2300 Mhz Wideband is ideal for Satellite DBS installation
- Able to split or combine signals on cable carrying both UHF/VHF TV signals (54-860 Mhz) or Cable and Satellite

FEATURES:

- IF signals (950-9000 MHz)
- Grounded Block attached
- One output DC Power Passive Models to supply to Pre-Amplifier or Inline Amplifier

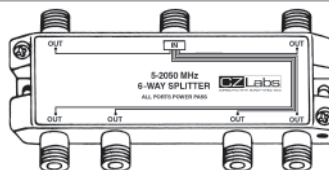
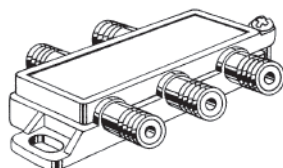
2-Way Splitters

- 202** All ports power passive
- 203** One port power passive



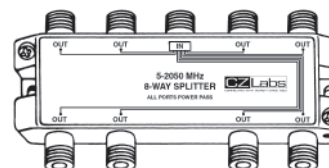
4-Way Splitters

- 205** All ports power passive
- 206** One port power passive



6-Way Splitters

- 208** All ports power passive
- 209** One port power passive



8-Way Splitters

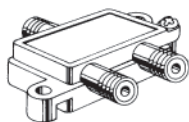
- 211** All ports power passive
- 212** One port power passive (Diode Steered)
- All ports power passive

Satellite/TV Diplexer/Combiner

255C

FEATURES:

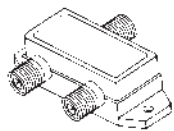
- Mixing or Diplexing 950-2050 MHz and 40-860 MHz Bands
- 500mA DC Power Passing



SPECIFICATIONS:

Through Loss (dB)
 TV In/Out: 40-860 MHz, 2.5 typical (3 max.)
 Satellite In/Out: 950-2050 MHz, 8 typical (6 min.)
 Isolation — TV, Satellite: 20 dB, typical
 DC Pass: TV In/Out: none
 Satellite In/Out: 500mA max.

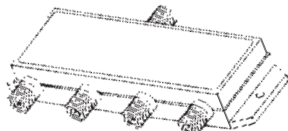
High Frequency Satellite Splitters



2-Way High Frequency Splitter

252

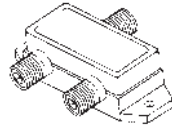
- Uses "F" Connectors
- Power passive to one port



4-Way High Frequency Splitter

254

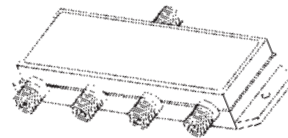
- Uses "F" Connectors
- Power passive to one port



2-Way High Frequency Splitter

262

- Uses "F" Connectors
- Power passive to all ports



4-Way High Frequency Splitter

264

- Uses "F" Connectors
- Power passive to all ports

SPECIFICATIONS:

Bandwidth:
 Insertion Loss:
 Port to Port Isolation:
 Input Return Loss:
 Output Return Loss:
 Power Passive:

252

950-2300
 5 dB Maximum
 13 dB Minimum
 14 dB Minimum
 14 dB Minimum
 One Port

254

950-2300
 5 dB Maximum
 13 dB Minimum
 14 dB Minimum
 14 dB Minimum
 One Port

262

950-2300
 9 dB Maximum
 13 dB Minimum
 12 dB Minimum
 13 dB Minimum
 All Ports

264

950-2300
 10 dB Maximum
 12 dB Minimum
 12 dB Minimum
 13 dB Minimum
 All Ports

Deluxe Full Cycle Ratchet Crimp Tool Kit

1505



1505 COAX TOOL KITS

				Pin.	Sq. Pin	For Crimping RG Type Cable
	6.5	.255" 5.41	.213 4.75	187" 1.72	.068	55, 58, 59, 62, 140, 141, 142, 210, 223 174, 303, 400, Fiber Optic, Belden 8279.
.319" 8.1	.256" 6.5	.213" 5.41		.068" 1.72		6, 59, 62, 140, 210, BELDEN 8279 55, 58, 141, 142, 223, 303, 400, Fiber Optic,
.255" 6.48	.213" 5.41	.137" 3.50	.100" 2.54	.069" 1.75	.043" 1.10	59, 62, 8X, 140, 210, Belden 8279 55, 58, 141, 142, 174, 223, 303, 400, Fiber Optic.
.178" 4.52	.151" 3.84	.128" 3.25	.078" 2.00	.068" 1.72	.042" 1.10	122, 174, 179, 180, 187, 188, 195, Fiber Optic 178, 316, Belden 8218.
.429" 10.9		.128" 3.25	.100" 2.54"			8, 9, 11, 87A, 149, 165, 213, 214, 216, 225 393, 174, 179, 187, 188, 316, Belden 9913
61/2" L Cable Cutter for Cutting Cable Max. .41"ø (10.5mm ø)						
4" L Coax Stripper for stripping RG58/59/62/6/3C2V						

Modular Crimp Tools

Deluxe Cut, Strip and Crimp Tool

557

- Heavy Duty Ratchet Type
- Crimps 4C, 6C and 8C




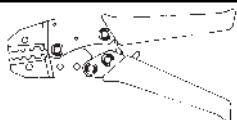
Deluxe Ratchet Crimp Tool

557-68

- Crimps 4, 6, 8 & 8C Keyed Modular Plugs.
- All Steel Construction.
- Cut, Strip & Crimp



Ratchet Crimp Tools

Illustration	Part	Hex Sizes	Cable Type	Description
	647	.256 .213 .068	RG-58, RG-59, RG-62, Micro 8/U & RG-8X	Crimps 3 piece BNC, TNC, SMA & Mini UHF Connectors
	657	.385 .320 .250 .211	RG-58 & RG-6, RG-59 Connectors	Crimps 2 piece BNC & TNC
	658	.213 .256 .319 .068	RG-58, RG-59, RG-62, Micro 8/U, RG-59 & RG-62 Teflon, RG-6	Crimps 3 piece BNC, TNC, SMA & Mini UHF Connectors
	1680	.068 .187 .213 .255	RG-58, RG-59, RG-62, Belden 8279, RG-58 Thinnet, RG-58 Thinnet Teflon & RG-58 Teflon	Crimps 3 piece BNC & TNC Connectors

Crimp Tools

Hex Crimping Tool

632 For "F" Connectors 103 & 106. Also for BNC/TNC Step Down Ferrules for RG-59 Cable. Hex Sizes .322 & .255



636 For UHF and "N" Connectors on RG-8, 11, 213. Hex Sizes .406 & .101

637 For "F" Connector on RG11, 11 Plenum, 11 Quad. Hex Sizes .100, .322, .476

For RG-59, RG-6 & RG-11 Cable. Crimps Sizes .216 & .405 Round Crimp

Economy "F" Crimp Tool

648



Hex Crimp Tool

646

Crimps 3 pc BNC, TNC, SMA & Mini UHF Connectors on RG-58, RG-59, RG-62 & Micro 8/U Cable. Crimps sizes .215, .255 & .064

Terminal Crimp Tool



651
Crimps Standard Terminals Ratchet Type (10-22 Gauge)

651A
for non insulated terminals

D Sub MiniCrimp Tool

649



Crimps "D" Sub Mini Plugs and Sockets, Contact Pins Ratchet Type (14-28 AWG)



Crimping Tool

654

For "D" Sub Mini Contact Pins and Non-Insulated Terminals (14-28 AWG)

Impact Punch Down Tools

1690 Impact Punch Down Tool

- Impact Pressure Adjusting Control for High, P = 14 ± 2 Kgs. Low, P = 10 ± 2 Kgs.
- Blade Retaining Pressure within 4-6 Kgs.
- Blades Are Interchangeable and Reversible.
- Blades Seat Wire Into Terminal Blocks and Cut Off Wire.

1694 Impact Punch Down Tool

with Impact Function but no Adjusting Control.



IMPACT PUNCH DOWN & CUT TOOL BLADES



1691 for Use on 66 Type Connecting Blocks.



1692 for Use on 110/88 Type Terminating Blocks.



1695 for Use on both 66 & 110/88 Type Terminal Blocks.

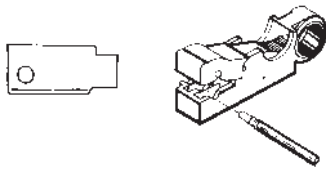


1696 for Use on 630A Modular Phone Jacks.



1697 For Use on Krone Type Connecting Blocks

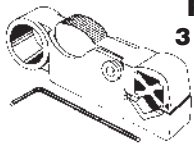
Coaxial Cable Strippers



639
For Stripping RG-58, RG-59 & RG-62.
Thinnet, BELDEN 9913
639-1
For Stripping RG-8, RG-11 & RG-213.

639-2
For Stripping RG-59, RG-62,
RG-6 & Belden 8281.

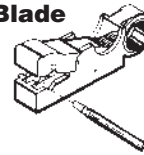
Replacement Blades:
669 For 2 Blade Strippers.
669A For 3 Blade Strippers.



Rotary 3 Blade

1689
• No Replacement Cassette Needed.
• For RG-58, RG-59, RG-62 & RG-6.
• Hex Wrench Included for Adjusting
Blade Up or Down.

2 Blade



638
For Stripping RG-58, RG-59 & RG-62.

638-1
For Stripping RG-59, RG-62,
RG-6 & Belden 8281.

Cable Tie Wraps



CZ-3



CZ-5



CZ-45E



CZ-A 1" Adhesive Mount

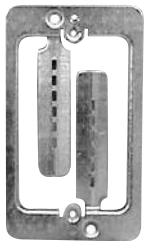
Features and Benefits:

- Constructed of Nylon
- U.L. recognized...File No. E125869
- U.L. flammability classification...
UL 94V-2
- Conforms dimensionally to MS3367
- Advanced Pawl-design produces
superior locking power
- Low profile head enhances
appearance and "snag" resistance
- Elimination of ejector pin marks
along the strap promotes smoother
pull-thru
- Rounded edges reduce insertion
force and surface abrasion
- Ridges provide convenient finger
grips for firmer pull-thru
- Gusset-style reinforcement
adds strength to the neck

CZ Natural	CZ Black	Maximum Bundle Length	Width Diameter	Minimum Tensile (Inches)	Strength
CZ-3	CZ-3B	4"	3/4"	.10"	18 lbs.
CZ-5	CZ-5B	6"	1 1/4"	.14"	30 lbs.
CZ-7PL (Plenum)		7.31"	1 3/4"	.184	50 lbs.
CZ-110 PL (Plenum)		11"	1 3/4"	.184	50 lbs.
CZ-140PL (Plenum)		15"	1 3/4"	.184	50 lbs.
CZ-8	CZ-8B	8"	2"	.14"	50 lbs.
CZ-45E (screw mount)	CZ-45EB (screw mount)	8"	1 3/4"	.17"	50 lbs.
CZ-110	CZ-110B	11"	3"	.17"	50 lbs.
CZ-140	CZ-140B	14"	4"	.17"	50 lbs.
CZ-210	CZ-210B	21"	6"	.29"	175 lbs.
CZ-A 1" (adhesive mount)					

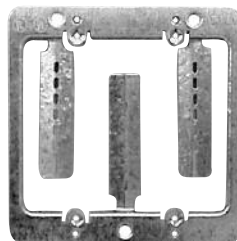
For optional color add to part number: B = Blue G = Green GR = Gray O = Orange R = Red Y = Yellow

Assorted Installation Accessories



Wall Mount Bracket
for low voltage wiring.

682



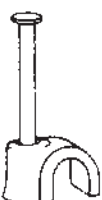
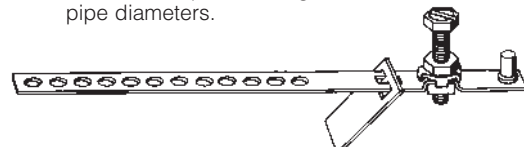
Dual Wall Mount Bracket
for low voltage wiring.

684

Grounding Strap

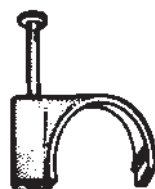
667

All Copper, 6" long with brass hardware
and holes to permit fitting around various
pipe diameters.



Cable Clip

627 Black
627W White
For RG-59 or any
coaxial cable up to
0.250". Hard steel
nail can be used
on wood, brick & mortar



Cable Clip

628 Black
628W White
For RG-6/U.
Hard steel nail
can be used on
wood, brick & mortar



Cable Clip

629 Black
629W White
For dual
RG-59/U. Hard steel
nail can be used on
wood, brick & mortar



Self-Sealing Tape

680
Seals Coax connector from moisture and corrosion. 1/2" wide x 60" (5 ft.) long

Assorted Installation Accessories

Electrical Tape



666
• Black
• 3/4" wide x 60' long
• High quality electrical tape



Weather Boot

621
Fits RG-59/U & RG-6/U cable. Tapered ID can be cut for RG-6 quad shield applications.

SVGA Cables



32-840 6 ft. Male to Male High Density-15
32-841 6 ft. Male to Female High Density-15
32-842 10 ft. Male to Male High Density-15
32-843 10 ft. Male to Female High Density-15
32-844 15 ft. Male to Male High Density-15
32-845 15 ft. Male to Female High Density-15
32-846 25 ft. Male to Male High Density-15
32-847 25 ft. Male to Female High Density-15
32-848 50 ft. Male to Male High Density-15
32-849 50 ft. Male to Female High Density-15
32-850 75 ft. Male to Male High Density-15
32-851 75 ft. Male to Female High Density-15
32-852 100 ft. Male to Male High Density-15
32-853 100 ft. Male to Female High Density-15

Firewire Cables (IEEE-1394)

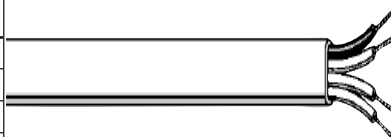


32-700 6 ft. 4 Pin Male to 4 Pin Male
32-701 10 ft. 4 Pin Male to 4 Pin Male
32-702 6 ft. 4 Pin Male to 6 Pin Male
32-703 10 ft. 4 Pin Male to 6 Pin Male
32-704 6 ft. 6 Pin Male to 6 Pin Male
32-705 10 ft. 6 Pin Male to 6 Pin Male
32-706 Adapter, 6 Pin Female to 4 Pin Male
32-707 Adapter, 9 Pin Female to 6 Pin Male



Silver Satin Line Cords

CZ No.	Gauge	No. of Conductors	Length
4024	26	4	1000 ft.
4026	26	6	1000 ft.
4028	26	8	1000 ft.
4024UL	26	4 UL Listed	1000 ft.
4026UL	26	6 UL Listed	1000 ft.



Modular Cordage

Standard color is silver satin.

For optional color add to part number: W = White B = Black I = Ivory GR = Gray A = Ash Example: 4024ULW is White

CZ No.	Gauge	No. of Conductors	Length
4028UL	26	8 UL Listed	1000 ft.
4024-28	28	4	1000 ft.
4026-28	28	6	1000 ft.
4028-28	28	8	1000 ft.

Coaxial Cables



3403 RG-6 • Foil & Braid 60% 18 ga. 1000 ft. Pull Out Box
3403D RG-6 • Dual Foil & Braid 60% 18 ga. 1000 ft. Spool
3401 RG-6 • Quad Shield Foil & Braid 18 ga. 1000 ft. Spool

4411 RG-59 • 95% Copper Braid 22 ga. 1000 ft. Spool
333 RG-8 • 95% Copper Braid 13 ga. 500 ft. Spool
M8U Micro 8/U • 95% Braid 16 ga. 1000 ft. Spool
2694 RG-58 • 95% Braid 20 ga. 1000 ft. Spool

2201 RG-58/AU • 95% Braid 20 ga. 1000 ft. Spool
6611 RG-174 • 1000 ft. Spool
6700 RG-213 • 500 ft. Spool
4209 RG-11 • Foil & Braid 60% 1000 ft. Spool

Shrink Tubing - Polyolefin

Clear or Black ST-221 (Shrinks 50%)
Reels and 4 Ft. lengths

IRRADIATED POLYOLEFIN

CZ Tubing is probably the most economical general purpose heat shrinkable polyolefin tubing available in the United States today. Rated for 135° C continuous operation.

CZ Tubing which is very flexible that resists cold flow and is mechanically strong. CZ tubing is also specifically designed for exceptional flame resistance and is self extinguishing.

TYPICAL APPLICATIONS

CZ Tubing is commonly used as an electrical insulator over cable terminations and splices. CZ Tubing is also used as a lightweight wire harness covering for wire marking, wire bundling, component packaging and as a fire resistant covering.

SPECIFICATIONS

CZ Tubing offers superior balance of electrical, physical and chemical properties for a broad range of commercial, industrial and military uses. CZ Tubing conforms to all of the following specifications:

- MIL-I-23053/5B Class 1, 2 & 3
- UL VW-1 (except clear)
- 600 Volts @ 125° C
- CSA OFT 600v @ 125° C
- AMS 3636B Colors
- AMS 3637B Clear

CZ Tubing is available in standard sizes from 1/16 to 1 inch expanded diameters and can be easily hot stamped or printed.

SHRINK RATIO

CZ Tubing has a 2 to 1 shrink ratio and will begin to shrink at 95° C and will fully recover to 50% of its original diameter at approximately 105° C.

STANDARD COLORS

Black, Blue, Clear, Green, Red, White and Yellow. Other colors are available upon request.

CROSS REFERENCE

CZ Tubing is equivalent to Raychem RNF100, Alpha Wire Fit-221, 3M FP301 and Sumitomo A2/B2.

TYPICAL PROPERTIES (BLACK)

Applicable Specifications:

- MIL-I-23053/5B, Class 1, 2 & 3
- AMS 3636B Colors
- AMS 3637B Clear
- UL224, 125° C, 600v, VW-1, File E147147
- CSA C22.2, No. 198.1-M1986, 125°, 600v, OFT, File LR79754-2

CZ #	STANDARD & BULK PACKAGING				STANDARD SIZES AND DIMENSIONS					
	Size (Inches)	4' Lengths	Put-Up (Spools)	4' Bulk Pack	Minimum Expanded I.D. (Inches) (MM)		Maximum Recovered I.D. (Inches) (MM)		Recovered Wall Thickness (Inches) (MM)	
851	1/16	400 ft.	1,000 ft.	1200 ft.	0.081	2.06	0.031	0.79	0.018	0.46
852	3/32	400 ft.	1,000 ft.	1200 ft.	0.118	3.00	0.046	1.17	0.020	0.51
853	1/8	400 ft.	500 ft.	4800 ft.	0.138	3.50	0.059	1.50	0.020	0.51
854	3/16	400 ft.	500 ft.	2400 ft.	0.213	5.40	0.083	2.10	0.023	0.58
855	1/4	100 ft.	500 ft.	800 ft.	0.252	6.40	0.122	3.10	0.025	0.64
856	3/8	80 ft.	200 ft.	800 ft.	0.421	10.70	0.187	4.75	0.025	0.64
857	1/2	48 ft.	200 ft.	400 ft.	0.543	13.80	0.250	6.35	0.028	0.71
858	3/4	32 ft.	200 ft.	360 ft.	0.795	20.20	0.354	9.00	0.033	.084
859	1	32 ft.	100 ft.	400 ft.	1.004	25.25	0.500	12.70	0.035	0.89
860	1-1/2	CALL								
861	2	CALL								
862	3	CALL								
863	4	CALL								

PHYSICAL ATTRIBUTES

Tensile Strength.....1890 psi
Ultimate Elongation200%
Heat Aging
(7 days @ 150° C)No cracking
Heat Shock
(4 hours @ 250° C).....No cracking
Low Temperature Flexibility
(4 hours @ -55° C)No cracking
Flexibility
(60 days @ 135° C)No cracking
Water Absorption0.5% max.
FlammabilityPassed VW-1

ELECTRICAL ATTRIBUTES

Dielectric StrengthMinimum
500 v/mil
(19.7 Kv/mm)
Volume Resistance1016 ohm/cm

CHEMICAL ATTRIBUTES

Corrosive EffectNon-corrosive
Fungus resistance No growth

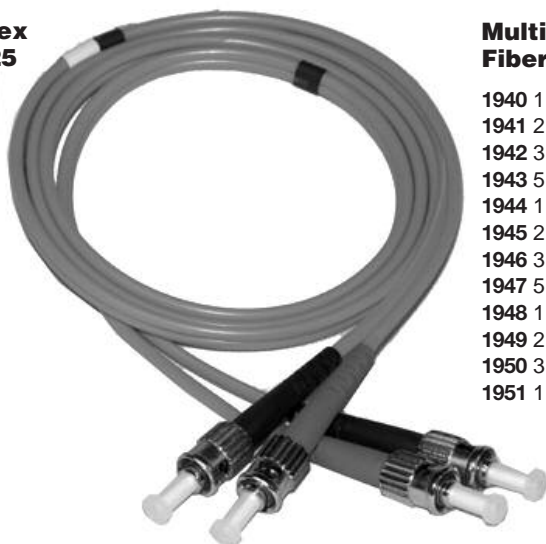
SHRINKAGE RATIO

50% (2:1) @ 105° C with maximum
5% longitudinal shrinkage.

Fiber Optic Jumper Cables

Multimode Duplex Fiber Size 50/125

- 1920 1 Meter SC-SC
- 1921 2 Meter SC-SC
- 1922 3 Meter SC-SC
- 1923 5 Meter SC-SC
- 1924 1 Meter LC-SC
- 1925 2 Meter LC-SC
- 1926 3 Meter LC-SC
- 1927 5 Meter LC-SC
- 1928 1 Meter LC-LC
- 1929 2 Meter LC-LC
- 1930 3 Meter LC-LC
- 1931 5 Meter LC-LC
- 1932 7 Meter LC-LC
- 1933 10 Meter LC-LC
- 1934 1 Meter LC-ST
- 1935 2 Meter LC-ST
- 1936 3 Meter LC-ST



Multimode Duplex Fiber Size 62.5/125

- 1940 1 Meter SC-SC
- 1941 2 Meter SC-SC
- 1942 3 Meter SC-SC
- 1943 5 Meter SC-SC
- 1944 1 Meter LC-SC
- 1945 2 Meter LC-SC
- 1946 3 Meter LC-SC
- 1947 5 Meter LC-SC
- 1948 1 Meter LC-LC
- 1949 2 Meter LC-LC
- 1950 3 Meter LC-LC
- 1951 1 Meter LC-ST
- 1952 2 Meter LC-ST
- 1953 3 Meter LC-ST
- 1954 1 Meter MTRJ-SC
- 1955 2 Meter MTRJ-SC
- 1956 3 Meter MTRJ-SC
- 1957 1 Meter MTRJ-ST
- 1958 2 Meter MTRJ-ST
- 1959 3 Meter MTRJ-ST
- 1960 1 Meter ST-SC
- 1961 2 Meter ST-SC
- 1962 3 Meter ST-SC
- 1963 5 Meter ST-SC

RF CONNECTORS PRO SERIES

SPECIFICATIONS

RoHS Compliant • Full Machined Brass • Gold Plated Contacts • Teflon Insulators • Silver Plated

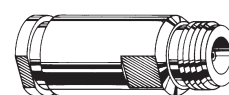
“N” Type Connectors



Solder Type - Male
601TS for RG-8, RG-213
 & Ethernet PVC
663TS for Belden 9913



3 Piece Crimp Type
 Gold Plated Pin, Machined Brass
665TS for Belden 9913/LMR400
 Teflon/Silver Plated Body



Solder type - female
602TS for RG-8, RG-213 (UG-23/BU)
602-9913TS for Belden 9913 Cable,
 Gold Pin



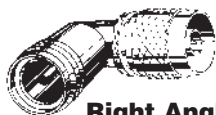
Solder Type - Male
616TS for RG-58 (UG-536/BU)



Crimp Type
608TS for RG-58
608-142TS Male Crimp for RG-142, RG-55
6055TS for Micro 8/U (RG-8X)



Crimp Type Female
602C-L2 for LMR-200
602C-8 for RG-8, RG-213
602C-9913 for B9913/LMR-400



Right Angle
 Male/Female
610TS (UG-27/CU)



Adapter
 Double Female
605TS (UG-29/BU)



Adapter
 Double Male
604TS (UG-57/AU)

Interseries Adapters



609TS
 UHF Female to “N” Male
 UG-146/U



306TS
 UHF Female to BNC Male
 UG-255/U



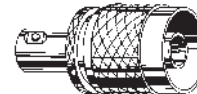
303TS
 BNC Female to UHF Male
 UG-273/U



611TS
 “N” Female to UHF Male
 UG-83/BU



612TS
 “N” Female to BNC Male
 UG-349/U



613TS
 BNC Female to “N” Male
 UG-201/AU

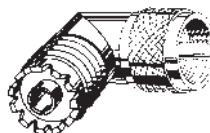
UHF Type Connectors



Male Crimp Type
422TS for RG-58/U
424TS for RG-8/U



Double Female
408TS PL-258
 (Teflon, Silver)



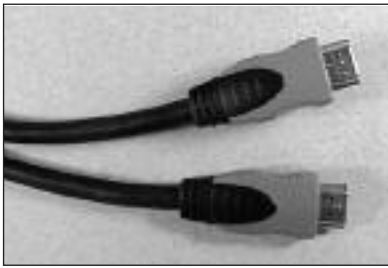
Right Angle Adapter
404TS (M-359)
 Male/Female



Male Solder Type
 2 Piece Construction
401DTS PL-259 for RG-8, 213 Cable,
 Teflon Insulated, Silver Plated
 Body & Nut, Gold Plated Pin,
 Machined Brass

OTHER TYPES AVAILABLE — CONTACT US

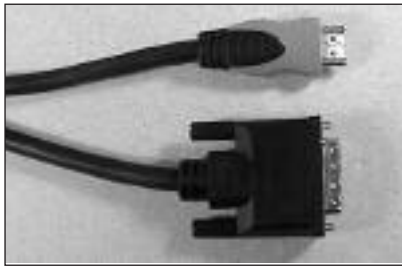
HDMI Cables and Adapter



HDMI to HDMI Cables

Transfers a pure, digital audio & video signal thru a single cable. Formats from Stereo to Multi-Channel Sounds

32-831	3 ft.	32-833-15	15 ft.
32-832	6 ft.	32-833-25	25 ft.
32-833	10 ft.	32-833-33	33 ft.
		32-833-50	50 ft.



HDMI to DVI Interface Adapter Cables

Male DVI to HDMI for high-definition video or standard video format.

32-834	6 ft.	32-835	12 ft.
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DVI Female to HDMI Male Adapter

Convert DVI Cable into HDMI connection using existing DVI Cable for high definition video.

32-836

HDMI Switches & Wall Plates



HDMI 2-Way Switch
32-860



HDMI 4-Way Switch
32-861



Manual HDMI 3-Way Switch
32-862



HDMI 5-Way Switch w/Remote Control
32-863



HDMI Single Wall Plate
32-864 White



HDMI Dual Wall Plate
32-865 White

HDMI Splice & Cable Extender



HDMI Female to Female Splice
32-866



HDMI Cable Extender
32-867