

CZ Labs

CONNECTING WITH QUALITY SINCE 1959

COMPUTER PRODUCTS

**HDMI
PRODUCTS**

**INSTALLATION
ACCESSORIES**

**SATELLITE
DEVICES**

CABLES

TOOLS

CONNECTORS

**USB
PRODUCTS**

**RF CONNECTORS
PRO SERIES**

**SURGE
PROTECTORS**

**CATEGORY 5
AND 6 PRODUCTS**



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- All RF connector types are available; contact us for a quotation

- We can design as per your drawing or spec

- Rohs compliant

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		

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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

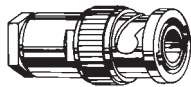
MATERIALS

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.

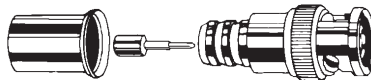
CONNECTORS

BNC Male



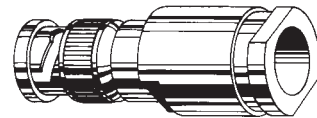
Standard Solder Type
6 Piece Construction

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 & LMR400



Solder Type Male

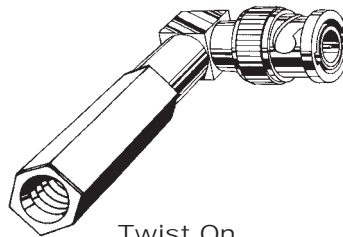
320 for RG-8, RG-11, RG-213 & LMR400 (UG-959/AU)



Cable Boots/Strain Relief
Black Color • 100 Per Bag

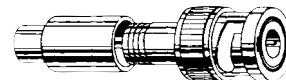
1450 for RG-58 Black
1451 for RG-174 Black
1455 for RG-59 & RG-62 Black

Call for Other colors.



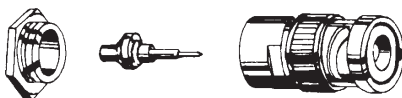
Twist On
Right Angle

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



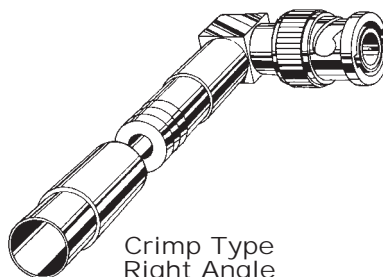
Crimp Type

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



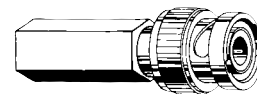
Solder Type
3 Piece Construction

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

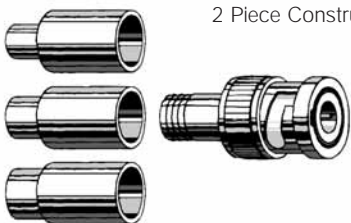


Twist On

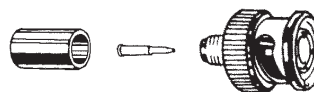
1 Piece Construction
360 for RG-59 & RG-62
361 for RG-59 & RG-62 Teflon
362 for Belden 8281
365 for RG-58 & RG 58/AU
370 for RG-6

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 Thinnet

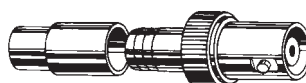
322 for RG-6
323 for RG-58 Thinnet PVC
324 for RG-59 & RG-62 Teflon
335 for Belden 8281
336 for RG-174
338 Mini for RG-59 & RG-62 (.150 O.D.)
353 for RG-59 & RG-62 (22 ga. pin)
358 for Belden 8218
359 for RG-179

BNC Female



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



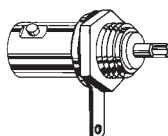
2 Pc. Crimp on

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



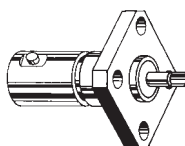
3 Piece Crimp Type

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



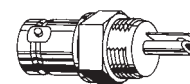
Chassis Mount

- 304** (UG-1094/U)



Chassis Mount

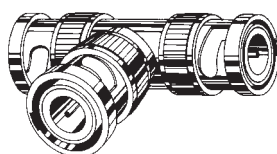
- 308** (UG-290/U)



Chassis Mount

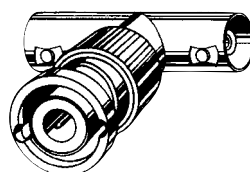
- 328** Isolated
- 328-75** 75 Ohm

BNC Adapters & Terminators



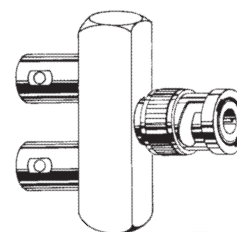
"T" Adapter

- 314** 3 Males



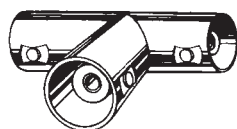
"T" Adapter

- 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



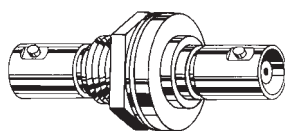
Double Female

- 305** (UG-914/U)



Double Male

- 310** (UG-491/U)



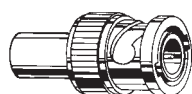
Double Female Bulkhead
1/2" Mounting Diameter

- 315** (UG-492/U) Length 1.2750
- 329** Isolated Type



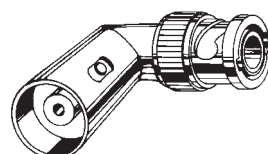
"F" Adapter

- 3041** Female/Female/Male



Terminators

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



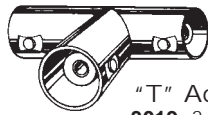
Right Angle Adapter

- 307** (UG-306/U) Male/Female

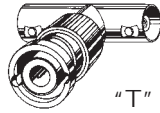
**GO TO
PAGE 32 FOR
OUR DELUXE
PROFESSIONAL
SERIES OF RF
CONNECTORS**

BNC 75 Ohm

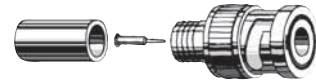
CONNECTORS



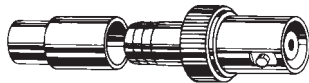
"T" Adapter
3019 3 Females



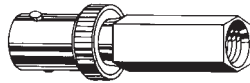
"T" Adapter
3035 Female/Male/Female



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



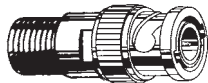
Female Crimp On
2 Piece
3012 for RG-59 & RG-62
3013 for RG-59 & RG-62 Teflon



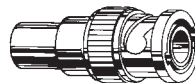
Female Twist On
3014 for RG-59 & RG-62
3015 for RG-59 & RG-62 Teflon



Double Female
3016



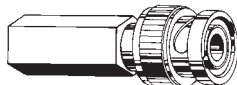
Interseries Adapter
3017 "F" Female to BNC Male



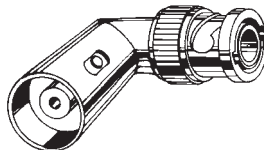
Interseries Adapter
3018 RCA Female to BNC Male



Interseries Adapter
3037 BNC Female to "F" Male



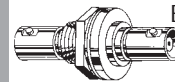
Male Twist On
3024 for RG-59 & RG-62
3025 for RG-59 & RG-62 Teflon
3026 for RG-6
3060 for Belden 8281 PVC



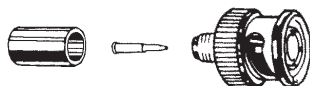
Right Angle Adapter
3038 Male/Female



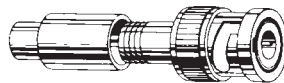
Bulkhead Adapters
3039 Isolated Type



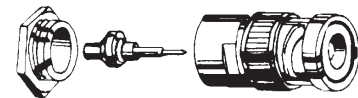
Bulkhead Adapters
3036 1/2" Diameter
Double Female



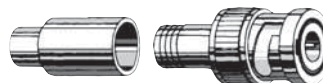
Crimp Type
3 Piece Construction
3027 for RG-59 & RG-62
3028 for RG-59 & RG-62 Teflon
3029 for RG-6, Belden 8215
3058 for Belden 8281 PVC
3059 for Belden 8281 Plenum
3065 for Belden 735A
3066 for Belden 1855A
3067 for Belden 1505A
3068 for Belden 1695A
3069 for Belden 1694A, 9248
3070 for Belden 1506A,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

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

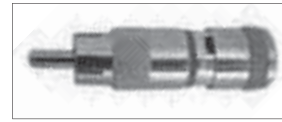
True 360 Degree compression onto the cable insuring superior RF shielding of 95 DB. All connectors are designed for 75 ohm cable. One piece construction.



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

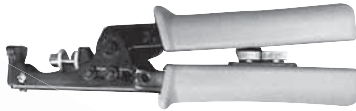


2653 BNC Male for RG-6
2657 BNC Male for RG-59
2658 BNC Male for RG-6 Quad
2671 BNC Male for Mini RG-59/RGB Mini



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

Compression Ratchet Tools



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

Compression Tools



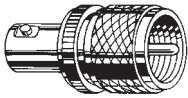
2663 Deluxe Compression Tool for F, RCA & BNC Connectors

Compression Ratchet Tools



2662 Deluxe Compression Tool for F Connectors RG-59, 6, 11

Stripper Two Step

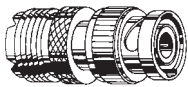


303
 BNC Female to UHF Male
 UG-273/U



2664 For RG-59, RG-59 Teflon, RG-6 and RG-6 Teflon
 • New Patented two step stripper
 • Push in Twist and Pull
 • Perfect for Compression connectors
 • Clips onto your shirt pocket

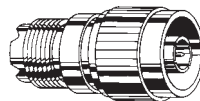
Interseries Adapters



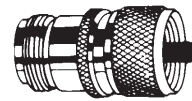
306
 UHF Female to BNC Male
 UG-255/U



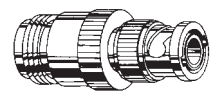
421
 UHF Female to RCA Male



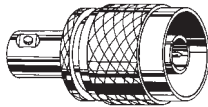
609
 UHF Female to "N" Male
 UG-146/U



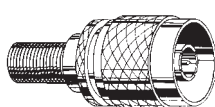
611
 "N" Female to UHF Male
 UG-83/BU



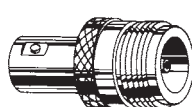
612
 "N" Female to BNC Male
 UG-349/U



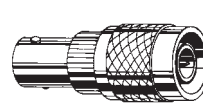
613
 BNC Female to "N" Male
 UG-201/AU



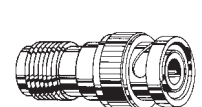
618
 "F" Female to "N" Male



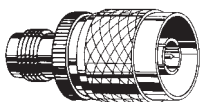
640
 "N" Female to BNC Female



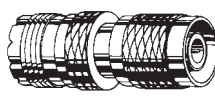
714
 BNC Female to TNC Male



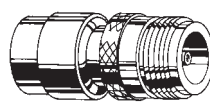
716
 TNC Female to BNC Male



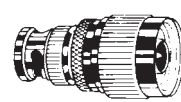
721
 TNC Female to "N" Male



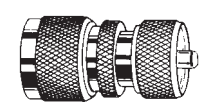
723
 UHF Female to TNC Male



731
 "N" Female to TNC Male



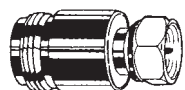
870
 "N" Male to BNC Male



871
 "N" Male to UHF Male

Interseries Adapters

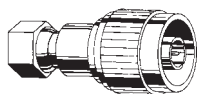
CONNECTORS



872
"N" Female to "F" Male



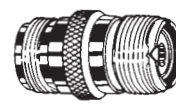
873
"N" Female to "F" Female



874
"N" Male to "F" Male



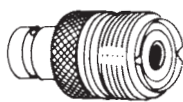
875
BNC Male to UHF Male



876
"N" Female to
UHF Female



878
UHF Female to
3.5 mm Phone Plug



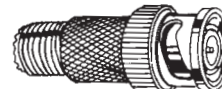
879
BNC Female to
UHF Female



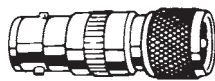
880
BNC Male to RCA Male



881
Mini UHF Female to
TNC Male



882
Mini UHF Female to
BNC Male



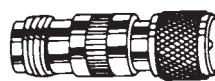
883
Mini UHF Male to
BNC Female



884
Mini UHF Female to
UHF Male



885
Mini UHF Male to
UHF Female



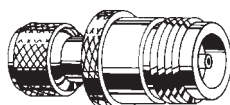
886
Mini UHF Male to
TNC Female



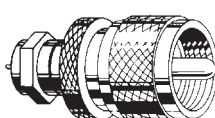
887
"F" Female to
RCA Female



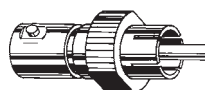
888
"F" Female to RCA Female
Wall Plate Mountable



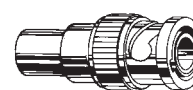
889
"N" Female to
Mini UHF Male



890
UHF Male to "F" Male



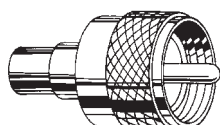
901
BNC Female to RCA Male



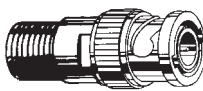
903A
RCA Female to BNC Male



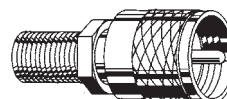
903A-RA
RCA Female to BNC Male



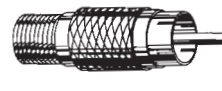
904
RCA Female to UHF Male



905
"F" Female to BNC Male



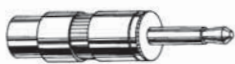
906
"F" Female to UHF Male



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



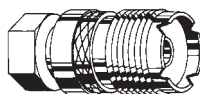
911
"F" Female to
BNC Female



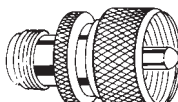
912
BNC Female to
3.5mm Male



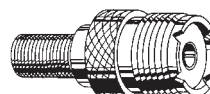
922
RCA Female to
"F" Male



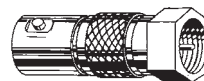
923
UHF Female to
"F" Male



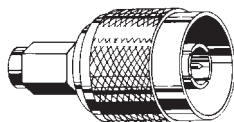
925
TNC Female to
UHF Male



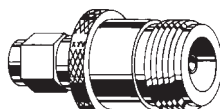
926
"F" Female to
UHF Female



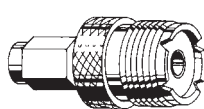
927
BNC Female to
"F" Male



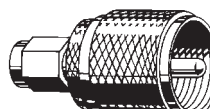
1573
SMA Male to "N" Male



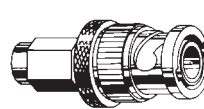
1574
SMA Male to "N" Female



1575
SMA Male to UHF Female



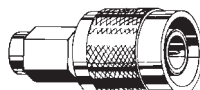
1576
SMA Male to UHF Male



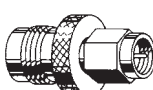
1577
SMA Male to BNC Male



1578
SMA Male to BNC Female



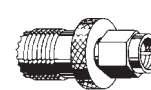
1579
SMA Male to
TNC Male



1580
SMA Male to
TNC Female

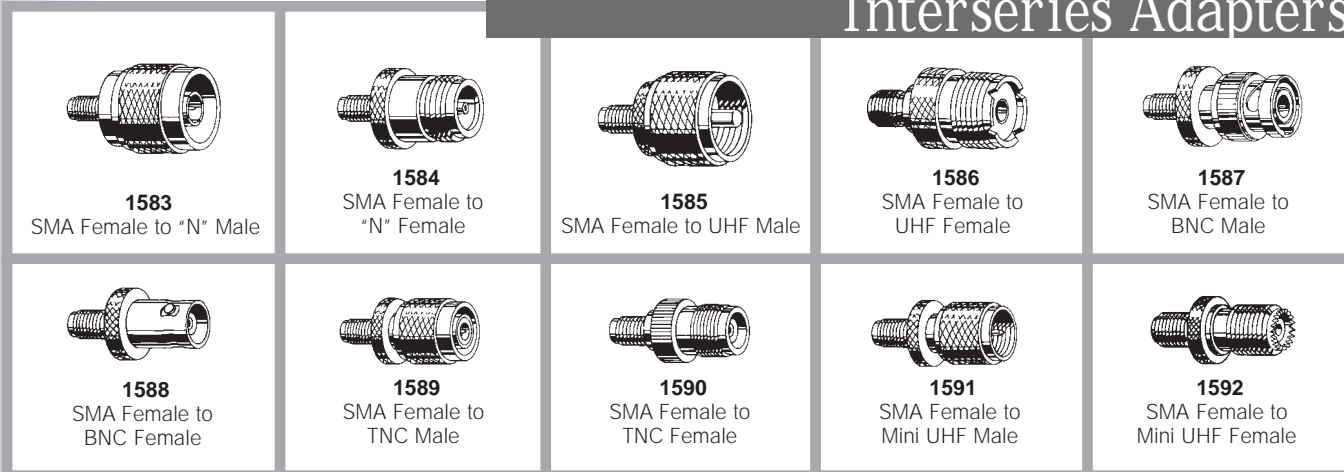


1581
SMA Male to
Mini UHF Male



1582
SMA Male to
Mini UHF Female

Interseries Adapters



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.....SMA 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" FEMALE
- 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

CONNECTORS

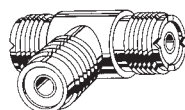
ELECTRICAL SPECIFICATIONS

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

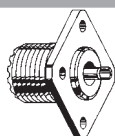
MATERIALS

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

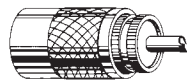
UHF Connectors are general purpose and economical units. Mating by standard size 5/8-24 or larger size 1-20 threaded coupling. They are not intermatable. Mini-UHF uses 3/8-24 threaded coupling.



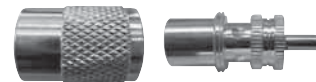
"T" Adapter
412
Female/Female/Female



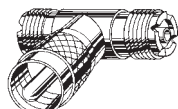
Chassis Mount
407 SO-239 (Nickel)
407TS SO-239 (Teflon/Silver)



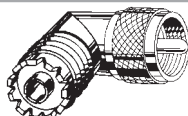
Male Solder Type
401 PL-259 Bakelite



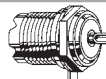
Male Solder Type
2 Piece Construction
401DTS PL-259 for RG-8, 213
Cable, Teflon Insulated,
Silver Plated Body &
Nut, Gold Plated Pin,
Machined Brass



"T" Adapter
405 (M-358)
Female/Male/Female



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



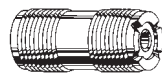
Chassis Mount
409 (Nickel)
409TS SO-239H(Teflon,
Silver) with Nut
and Solder Tab



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)



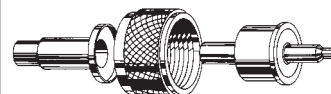
Double Female
Bulkhead 2"
406 UG-363/U



Male Crimp Type
425NS
(Silver Pin/Nickel Body)
For RG-8X, LMR-240

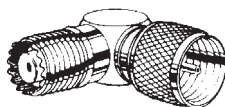


Male Crimp Type
424TS (Silver /Teflon)
For LMR-400



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 Delrin -40 to +85° C
Shock:	Mil. Std. 202 Method 213
Moisture Resistance:	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.



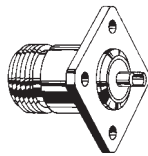
3 Piece Crimp Type

Gold Plated Pin, Machined Brass

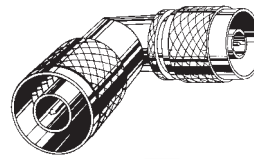
665 for Belden 9913/LMR400 Teflon/Nickle Plated Body,
665TS for Belden 9913/LMR400 Teflon/Silver Plated Body
665TS-600 for LMR-600



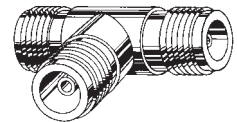
Right Angle Male Crimp
665TS-RA LMR-400



Chassis Mount
603 (UG-58/AU)



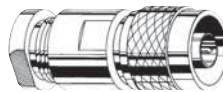
Right Angle
619 Male/Male



“T” Adapter
Female/Female/Female
635 (UG-28/AU)



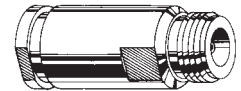
Solder Type - Male
663-900 for LMR-900



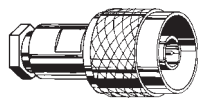
Solder Type - Male
663 for RG-8, 213,
LMR400, B9913
663-217 for RG-217
Cable



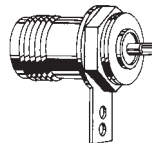
Crimp Type
for RG-59
607
608 for RG-58, LMR240
6055 for Micro 8/U (RG-8X)



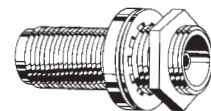
Solder Type - Female
602 for RG-8, RG-213,
LMR400, B9913



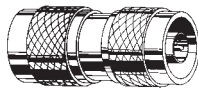
Solder Type - Male
616 for RG-58 (UG-536/BU)
617 for RG-59 (UG-603/AU)



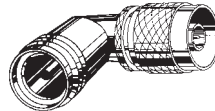
Chassis Receptacle
642



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: ± 5%
Return Loss: 20 dB

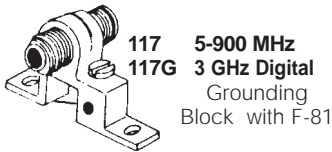
135-03 3 dB
135-06 6 dB
135-10 10 dB

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

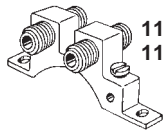
"F" Type Connectors

CONNECTORS

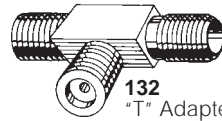
ADAPTERS



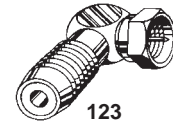
117 5-900 MHz
117G 3 GHz Digital
Grounding
Block with F-81



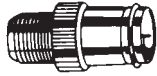
117D 5-900 MHz
117GD 3 GHz Digital
Dual Grounding
Block with F-81



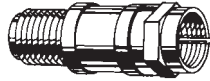
132
"T" Adapter
3 Females



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

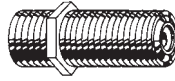


112
F-71 Double Male

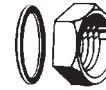


114 F-81 Double Female
114G with Gold Plating

Length-.845

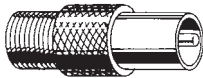


114BL
3 Ghz. Digital
Inline Splice, F-81 Double Female,
Machined Brass, Length 1.06

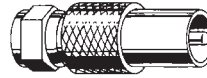


NW
Nut & Washer
3/8" Thread Size

PAL TO "F" ADAPTERS



950
"F" Female to Pal Male



951
"F" Male to Pal Male

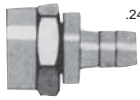


952
Pal Female to "F" Male



953
"F" Female to Pal Female

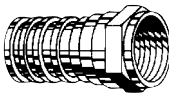
F-59 (RG-59/U CABLE)



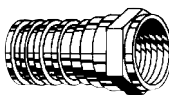
101
with Separate
1/4" Crimp Ring
(F-59)



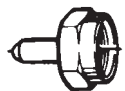
102
with Attached 1/4" Crimp
Ring (F-59A)



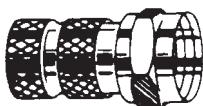
103 Tin Plating
103G Yellow Cad Plating
with Attached 1/2" Crimp
Ring (F-59ALM)



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

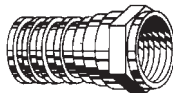
F-56 (RG-6/U CABLE)



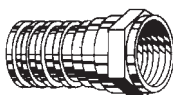
104-1/4
1/4" Crimp Ring



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



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



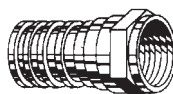
106GW Yellow Cad Plating
106W Nickel Plating
with Weathersealed "O"
Ring



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

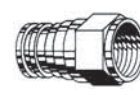
F-11 (RG-11/U CABLE)



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
For RG-11 Plenum, Belden 89292,
Commscope 2285

Audio Connectors



180
RCA Double
Female Bulkhead



181
RCA Right Angle
181G
Gold Plated



974 3.5MM Shielded Mono Plug
975 3.5MM Shielded Stereo Plug

Audio Adapters

BLACK MOLDED
PLASTIC CONSTRUCTION

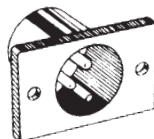


902A
RCA Double Female
902AG
RCA Coupler Jack to Jack - Gold

Microphone Connectors (XLR)



830 3 Pin Male



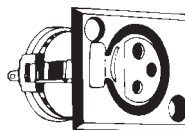
840
3 Pin Male Chassis Mount



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



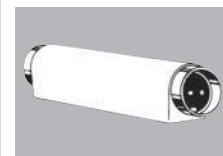
S-Video
Adapter
1402
SVHS Plug
to RCA Jack
Adapter



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

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

ELECTRICAL SPECIFICATIONS

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.

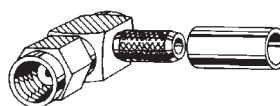
MATERIALS

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



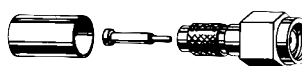
Female Crimp

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

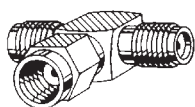


Male Crimp

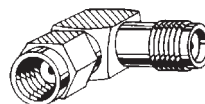
1557-223 for RG-223
1557 for RG-58, RG-141
1558 for RG-59, RG-62
1559 for RG-174, RG-188, RG-316



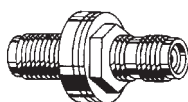
SMA Adapters



"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

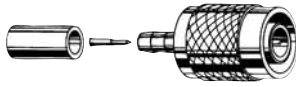
ELECTRICAL SPECIFICATIONS

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

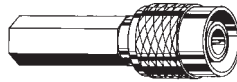
MATERIALS

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

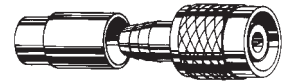
TNC Connectors are miniature units. They are versions of BNC types with threaded coupling. Mating by 1/16-28 thread coupling



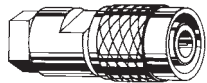
Male Crimp Type
3 Piece Construction
775 for RG-58
775-142 for RG-142, RG-55
779 for Micro 8/U (RG-8X)
780 for RG-59 & RG-62



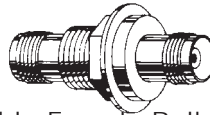
Male Twist On
1 Piece Construction
755 for RG-59 & RG-62
760 for RG-58
761 for RG-59 & 62 Teflon



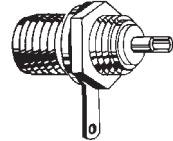
Male Crimp Type
2 Piece Construction
765 for RG-59 & RG-62
767 for RG-59 & RG-62 Teflon
770 for RG-58



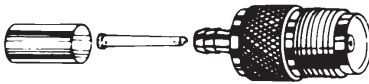
Male Solder Plug
6 Piece Construction
740 for RG-59 & RG-62
745 for RG-58



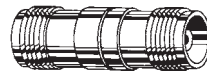
Double Female Bulkhead
725
720 Isolated Bulkhead



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

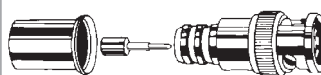


Straight Crimp Jack
1522 for RG-178/U

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



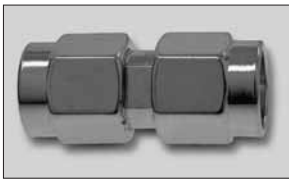
RP SMA Plug
to BNC Jack
1534



RP SMA Jack
to "N" Plug
1535



RP SMA Plug
to "N" Plug
1536



RP SMA Plug
to SMA Plug
1537



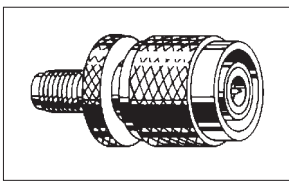
RP SMA Plug
to RP TNC Jack
1538



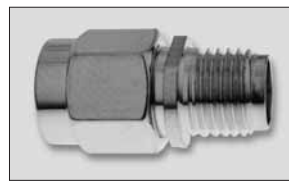
RP SMA Jack
to SMA Plug
1539



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



VB-20

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.

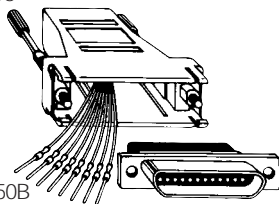


VB-10

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

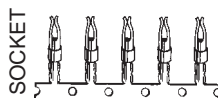
DB-25
Male
32-245 6 Contacts
32-250 8 Contacts
32-256 10 Contacts

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

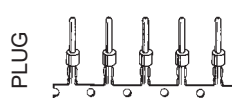
For Crimp Type 1200 Series



Socket
1260 5,000 Per Reel
1260L 100 Per Bag

Plug
1265 5,000 Per Reel
1265L 100 Per Bag

High Density Pins

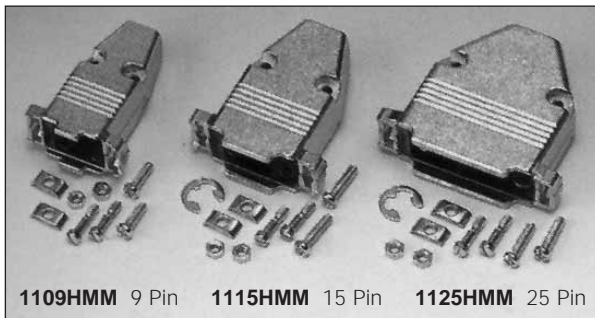


Socket
1261 5,000 Per Reel
1261L 100 Per Bag

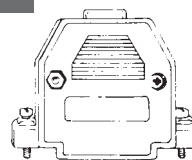
Plug
1262 5,000 Per Reel
1262L 100 Per Bag

D Sub Miniature Hoods

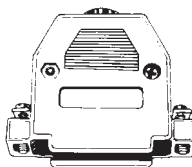
Deluxe Metal Ribbed Type



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



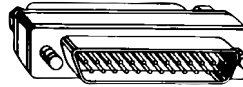
Press Fitted Tin Alloy on Nickel Thermoplastic Insulator

# 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

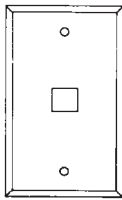
Mini Gender Changers



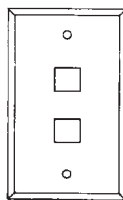
- 32-111** Male to Female (25 Pin)
- 32-123** 15 Pin High Density Male to Male
- 32-124** 15 Pin High Density Female to Female

Keystone Wall Plates

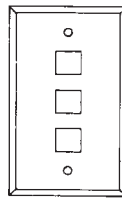
Wall Plates for Voice & Data



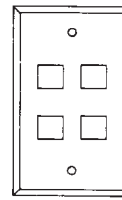
- Plastic:**
137 1 Cutout-Ivory
137W 1 Cutout-White



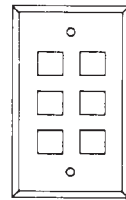
- Plastic:**
138 2 Cutouts-Ivory
138W 2 Cutouts-White



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

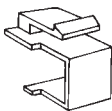


- Plastic:**
147 4 Cutouts-Ivory
147W 4 Cutouts-White

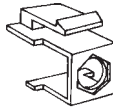


- Plastic:**
148 6 Cutouts-Ivory
148W 6 Cutouts-White

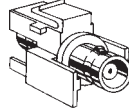
Inserts for Above Keystone Wall Plates



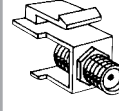
- 149** Blank-Ivory
149W Blank-White



- 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

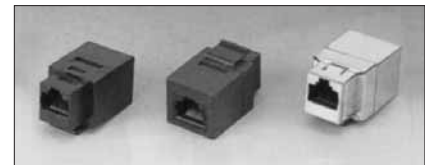
Keystone Type Inserts



2300 Fiber Optic ST Adapter



2301 RCA Female to Female Bulkhead



- 2300-6** RJ-12 Coupler 6C F-F
- 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



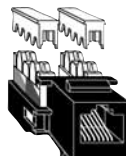
- 2302** S-Video 4 Pin Mini Din F-F
- 2303** 6 Pin Mini Din F-F
- 2304** 8 Pin Mini Din F-F



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
- 568 A/B Wiring

1247-5 Category 5E

- 110 Type Termination
- 8 Position, 8 Contact
- 568 A/B Wiring

1247-6 Category 6

- 110 Type Termination
- 8 Position, 8 Contact
- 568 A/B Wiring

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.

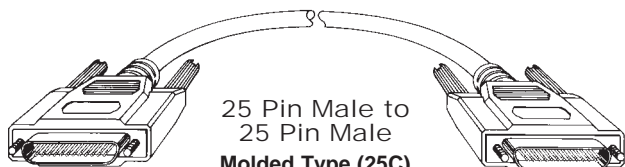
Contact Plating: 99% pure hard gold on mating areas
Wire: 17 or 18-pr., 28awg UL20276, VW-1, PVC Alum-Foil + Braid Shielding w/25% min. overlap. Braid 85% coverage.
Voltage Rating: 30 volts
Temperature Rating: 80° C



DB-25 Male to 36 Pin Male

- | | | | |
|---------------|--------|---------------|--------|
| 32-617 | 6 ft. | 32-618 | 10 ft. |
| 32-619 | 15 ft. | 32-620 | 25 ft. |

Computer Cable Assemblies

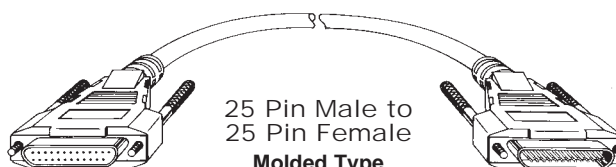


25 Pin Male to 25 Pin Male

Molded Type (25C)

Pinning Wired Straight Thru

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

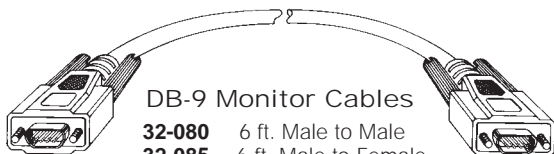


25 Pin Male to 25 Pin Female

Molded Type

Pinning Wired Straight Thru

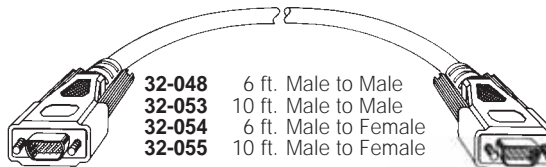
- | | | | |
|---------------|--------|---------------|--------|
| 32-050 | 6 ft. | 32-052 | 25 ft. |
| 32-051 | 10 ft. | | |



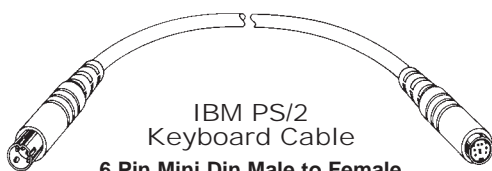
DB-9 Monitor Cables

- | | |
|---------------|-----------------------|
| 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

NEMA 5-15P/IEC C13
 SVT 18ga. 10A/125V
 Colors: Black, Red, White
 UL & CSA Approved

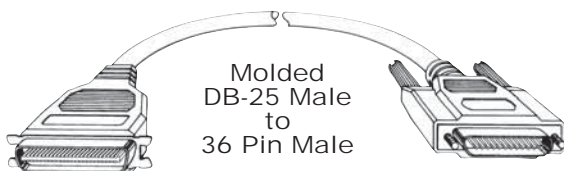
- | | | | |
|-----------------|-------|------------------|--------|
| 32-076-1 | 1 ft. | 32-076-10 | 10 ft. |
| 32-076-3 | 3 ft. | 32-076-15 | 15 ft. |
| 32-076-6 | 6 ft. | 32-076-20 | 20 ft. |
| 32-076-8 | 8 ft. | 32-076-25 | 25 ft. |

Monitor Extension Cord

IEC C14/IEC C13
 SVT 18ga. 10A/250V
 Colors: Black, Red, Green, Blue

- | | | | |
|-----------------|-------|------------------|--------|
| 32-075-1 | 1 ft. | 32-075-8 | 8 ft. |
| 32-075-2 | 2 ft. | 32-075-10 | 10 ft. |
| 32-075-3 | 3 ft. | 32-075-12 | 12 ft. |
| 32-075-6 | 6 ft. | | |

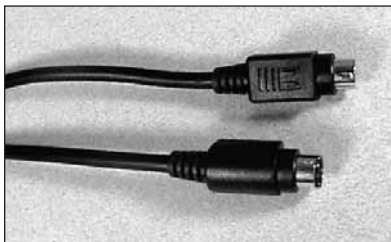
Printer Cables



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) |

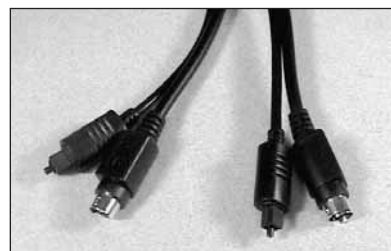
Fiber Optic Audio and SVHS Video Cables



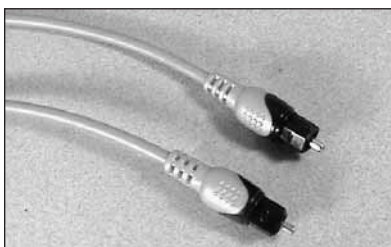
S-Video Patch Cords
SVHS to SVHS Plug • Gold Plated
948 6 ft. **949-50** 50 ft.
949 12 ft. **949-100** 100 ft.
949-25 25 ft.



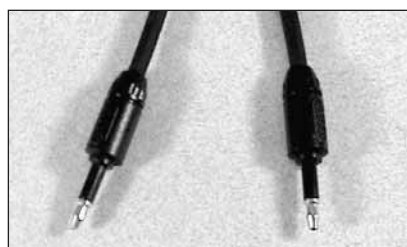
S-Video & RCA Stereo Cables
Gold Plated
32-822 6 ft. **32-823** 12 ft.



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.

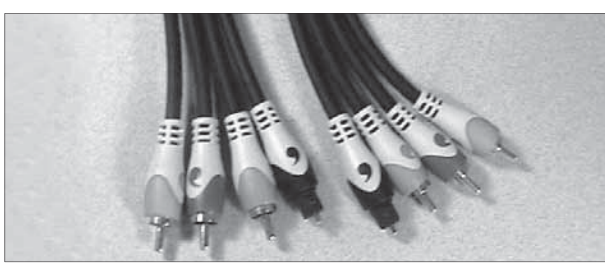
Component Video Hook-Up Cables



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

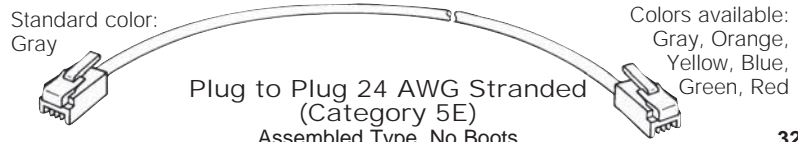
32 - 669	1 ft.	32 - 772	14 ft.
32 - 770	3 ft.	32 - 773	25 ft.
32 - 770-5	5 ft.	32 - 774	50 ft.
32 - 771	7 ft.	32 - 775	100 ft.
32 - 771-10	10 ft.		



- 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
- 568 A/B Wiring

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

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

Plug to Plug 24 AWG Stranded (Category 5E)
Assembled Type, No Boots

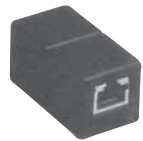
32-509-5	4 Pair	1 ft.	32-514-5	4 Pair	25 ft.
32-511-5	4 Pair	3 ft.	32-515-5	4 Pair	10 ft.
32-512-5	4 Pair	7 ft.	32-516-5	4 Pair	50 ft.
32-513-5	4 Pair	14 ft.	32-517-5	4 Pair	100 ft.

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:

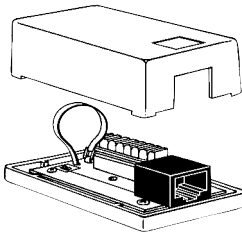
- UL/CSA Listed CM, CMR, CMP
- UL and ETL Verified to ANSI/TIA/EIA568A Category 5
- EC Verified
- ISO/IEC-11801
- NEMA WC 63.1

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' Reel	Solid PVC
	8230-5EP	4	Gray	0.18/0.0075	4.9/0.19	23.5/10.7	CMP	1000' Reel	Solid Plenum
	8231-5E	4	Gray	0.20/0.0078	5.5/0.22	23.8/10.8	CM	1000' Reel	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' Reel	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' Reel	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' Reel	Solid Plenum

Surface Mounts

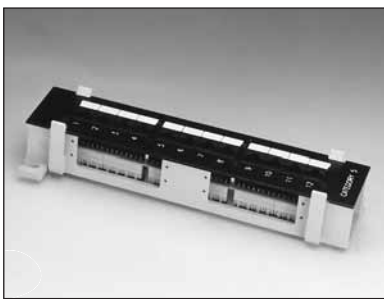
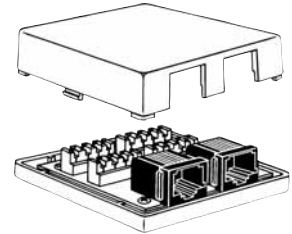


Single Surface Mount – 8C

- 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

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 & 6 Patch Panels

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

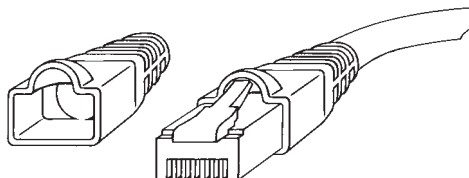
- 110 IDC contacts and RJ-45 jack with choice of EIA/TIA 568A or 568B pinning
- High performance printed circuit boards (PCB) minimizing Cross Talk
- Front panel is metal; textured black paint screened with port numbers
- Back of panel 110 connector terminates 22-26 AWG solid wire or 20-26 AWG stranded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

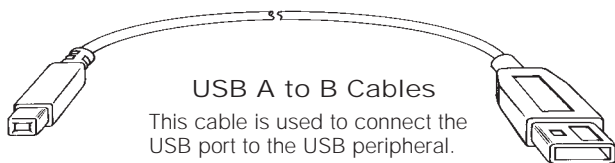
Strain Reliefs

- 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

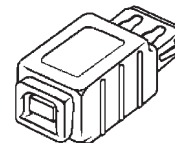
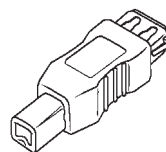
USB Cables & Adapters



USB A to B Cables

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

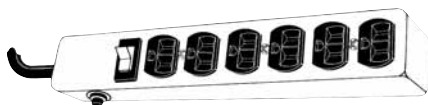
- 32-930** 3' A Male to B Male
- 32-931** 6' A Male to B Male
- 32-932** 10' A Male to B Male
- 32-933** 15' A Male to B Male



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

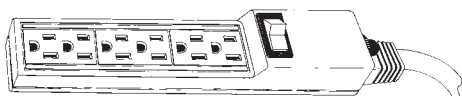
Surge Protectors



SP-1

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

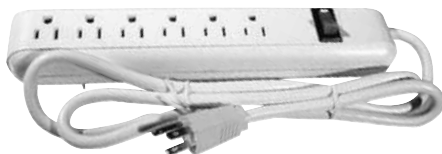
SP-6 Same as SP-1 but with 75 Joules and Basic Surge and no EMI/RFI.



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



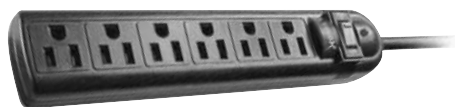
SP-31

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



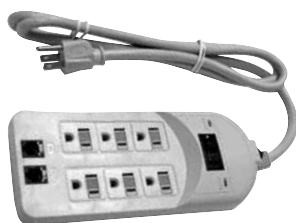
SP-710M

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.



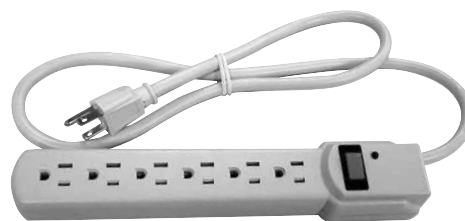
SP-21BK

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



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.

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 6 ft. **903** 12 ft.
 Shielded cable with molded RCA phono plug on each end.



3.5mm Stereo Audio Cables
805 6 ft. **805MF** 6 ft.
806 12 ft. **806MF** 12 ft.
807 25 ft. **807MF** 25 ft.
808 50 ft. **808MF** 50 ft.

Shielded "Y" Cable Assemblies



2 RCA Plugs to RCA Jacks
930 8 Inches



RCA Plug to 2 RCA Jacks
931 8 Inches



Stereo Mini Plug to 2 RCA Jacks
932 8 Inches

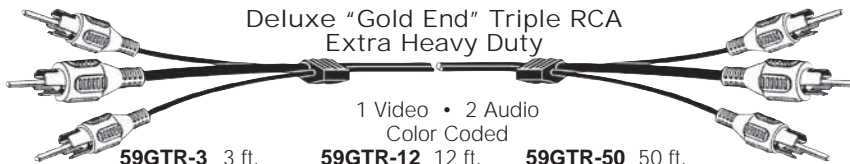


Stereo Mini Plug to 2 RCA Plugs
933 8 Inches

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
948 6 ft. **949-50** 50 ft.
949 12 ft. **949-25** 25 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 **RG-59/U BNC** **RG-179/U BNC**
58BB-3 3 ft. **58BB-25** 25 ft. **59BB-1** 1 ft. **59BB-12** 12 ft. **59BB-100** 100 ft. **179BB-3** 3 ft.
58BB-6 6 ft. **58BB-50** 50 ft. **59BB-3** 3 ft. **59BB-25** 25 ft. **179BB-6** 6 ft.
58BB-12 12 ft. **58BB-100** 100 ft. **59BB-6** 6 ft. **59BB-50** 50 ft. **179BB-12** 12 ft.

Standard Color Black. White available upon request.

Telephone Accessories

Modular Plugs

SPECIFICATIONS:

Material and Finish:

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

Operating Temperature:

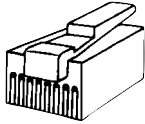
-20°C to 80°C

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.



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

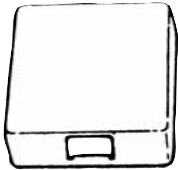
- 3 Prong Contact Design
- 595** 4 Contact, 6 Position
- 596** 6 Contact, 6 Position
- 597** 8 Contact, 8 Position
- 600** 8 Contact, 8 Position Cat. 6

For Handset Cords

- 558** 4 Contact, 4 Position

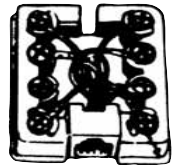
Modular Jack Deluxe with Snap On Cover & Adhesive Mount

- 520** 4 Contact
- 525** 6 Contact
- 526** 8 Contact



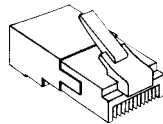
RJ-31X with Shorting Bar

- 504** 8 Contact, 8 Position
- 504UL** 8 Contact, 8 Position UL Listed



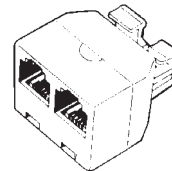
Shielded Modular Plugs

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



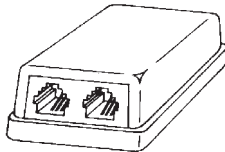
Modular Duplex Adapter 2 Jacks to 1 Plug

- 503** 4 Contact
- 507** 6 Contact
- 508** 8 Contact



Modular Surface Mount Dual

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

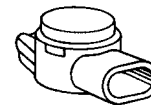


"B" Connectors and Splices



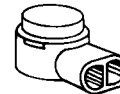
B Connector
190

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



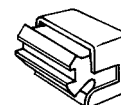
191 UR Splice

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



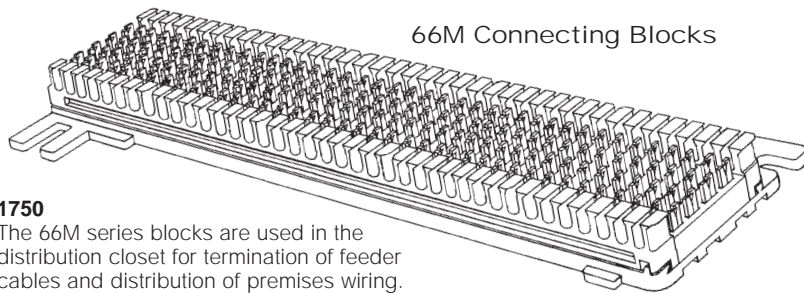
192 UY Bundle Splice

Accepts two-wire combinations of 22 to 26 gauge.



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

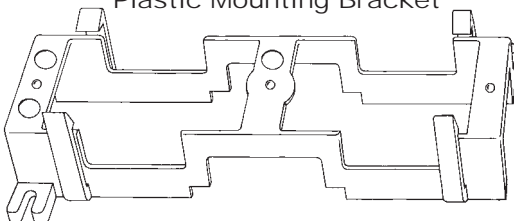
66M Connecting Blocks



1750

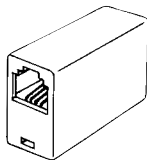
The 66M series blocks are used in the distribution closet for termination of feeder cables and distribution of premises wiring.

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.

Modular Cord Couplers



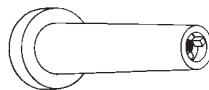
- Reverse Wiring**
509 4 Contact
510 6 Contact
511 8 Contact
- Wired Straight Thru**
514 6 Contact
516 8 Contact

Telephone Accessories



Bridging Clip and Cover

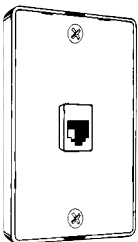
- 1755** Tin-Plated Copper Alloy Clips:
 2-position clip, 25 per polybag
- 1756** Clear Plastic Snap-On Cover
 for 66 Block



Distribution Wire Post

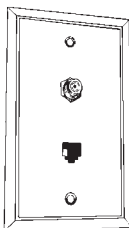
- 1752** Used in the distribution closet
 for routing of various cables.

Wall Mount Phone Jacks



- UL Listed**
536 4 Contacts - Ivory
537 6 Contacts - Ivory
541 4 Contacts - White
543 6 Contacts -
 Stainless Steel

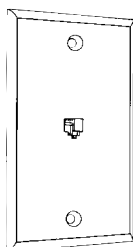
Modular Wall Plates



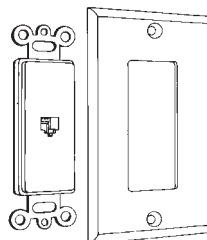
Modular Duplex Combo Wall Plates

- 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



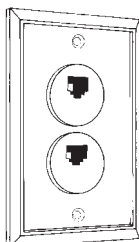
- UL Listed**
 Smooth Finish
- | | |
|------------------------------|------------------------------|
| 584 4-C RJ-11 - Ivory | 1412 8-C - White |
| 585 4-C RJ-11 - White | 1413 8-C - Ivory |
| 585D 4-C Dual -White | 1414 6-C Dual - White |
| 1410 6-C - White | 1415 8-C Dual - White |
| 1411 6-C - Ivory | |



Modular Wall Plates

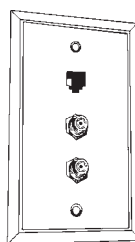
- 586** 4 Contacts
 RJ-11 Designer Style - Ivory
- 587** 4 Contacts
 RJ-11 Designer Style - White

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



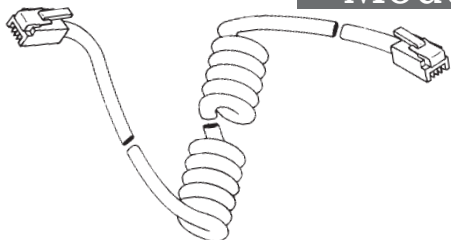
Plug to Plug
 (Reverse Wiring)
 Telephone Use

Silver Satin Flat

Plug to Plug (Wired Straight Thru)
 Data Use

4 Conductor			6 Conductor			8 Conductor					
554-07	7 feet	556-07	7 feet	558-07	7 feet	554-07S	7 feet	556-07S	7 feet	558-07S	7 feet
554-15	15 feet	556-15	15 feet	558-15	15 feet	554-15S	15 feet	556-15S	15 feet	558-15S	15 feet
554-25	25 feet	556-25	25 feet	558-25	25 feet	554-25S	25 feet	556-25S	25 feet	558-25S	25 feet
554-50	50 feet	556-50	50 feet	558-50	50 feet	554-50S	50 feet	556-50S	50 feet	558-50S	50 feet
554-100	100 feet	556-100	100 feet	558-100	100 feet	554-100S	100 feet	556-100S	100 feet	558-100S	100 feet

Modular Extension & Coiled Cords

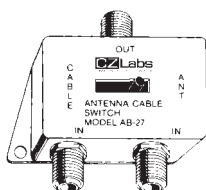


Modular Coiled Handset Cords

- | | | | |
|------------------|-------|------------------|-------|
| <u>15 feet</u> | | <u>25 feet</u> | |
| 548-15 | Ivory | 548-25 | Ivory |
| 548-15-01 | Black | 548-25-01 | Black |
| 548-15-02 | White | 548-25-02 | White |

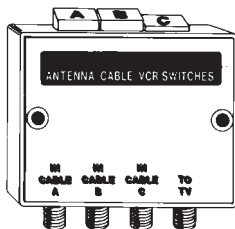
Cable Switches

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

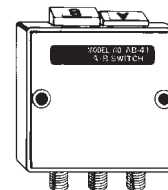


AB-36
 Input:
 3 to 75 Ohm
 Type:
 Push Button
 High Isolation:
 VHF = 60 dB; UHF = 50 dB

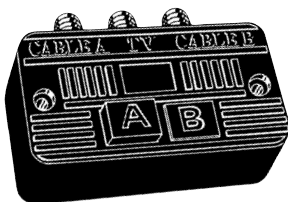
AB Switch

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

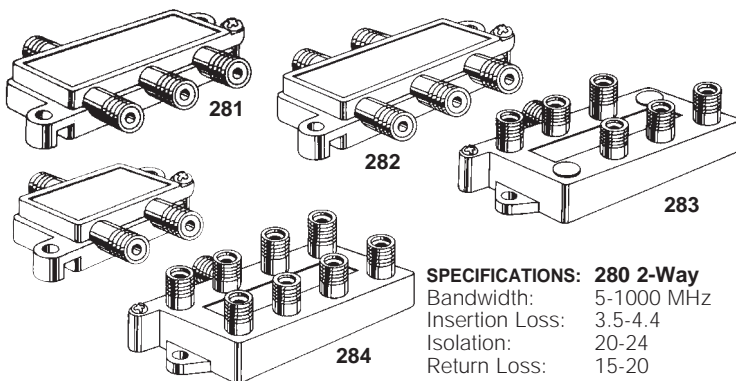
SPECIFICATIONS:

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)



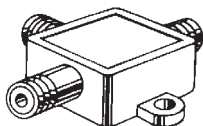
FEATURES:

- 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

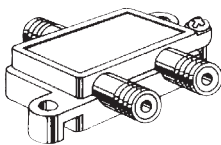
Splitters (5-900 MHz)

2 Way Zinc Cast Hybrid Splitter (Mini)



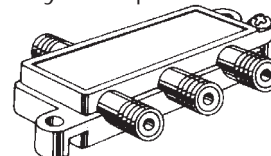
- 241**
- 5-900 MHz
 - 3.5 dB Insertion Loss
 - 20 dB Isolation
 - DC Pass

2 Way Zinc Cast Hybrid Splitter



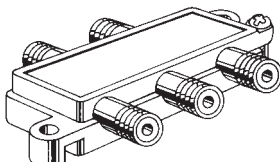
- 242**
- 5-900 MHz
 - 3.5 dB Insertion Loss
 - 20 dB Isolation
 - DC Pass

3 Way Zinc Cast Hybrid Splitter



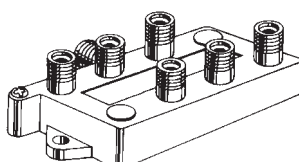
- 243**
- 5-900 MHz
 - 3.5 dB Insertion Loss
 - 1 Port 3.5 dB, 2 Ports 6.5 dB
 - 20 dB Isolation
 - DC Pass

4 Way Zinc Cast Hybrid Splitter



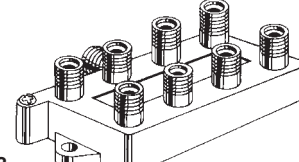
- 244**
- 5-900 MHz
 - 6.5 dB Insertion Loss
 - 20 dB Isolation
 - DC Pass

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

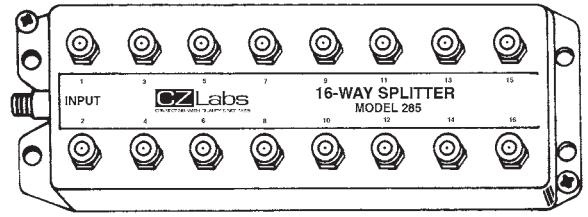
1000 MHz 16-Way Splitter

285

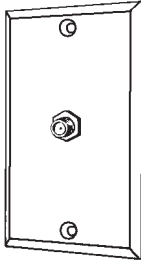
The 285 16-way Splitter features a printed circuit board to provide outstanding performance of 1000 MHz. This Splitter may be used where cascading several splitters to meet the demands of MDU are needed.

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

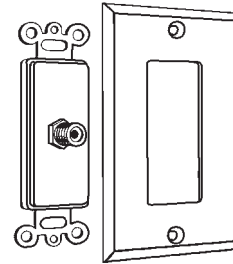
Hex Hole



- 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			

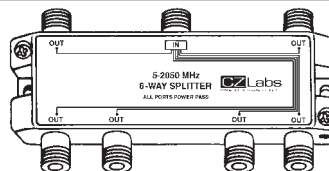
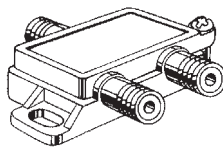
5-2300 MHz Digital Wideband Splitters

FEATURES:

- 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
- 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

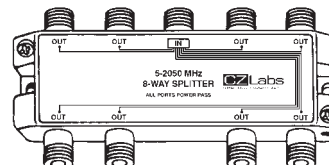
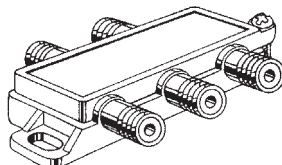


6-Way Splitters

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

4-Way Splitters

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



8-Way Splitters

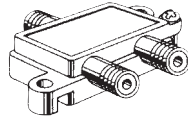
- 211** All ports power passive
- 212** One port power passive (Diode Steered)
All ports power passive

Satellite/TV Diplexer/Combiner

255C

FEATURES:

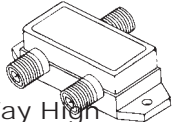
- Mixing or Diplexing 950-2050 MHz and 40-860 MHz Bands
- 500mA DC Power Passing



SPECIFICATIONS:

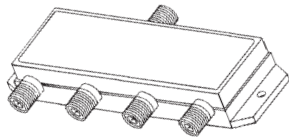
Through Loss (dB)
 TV In/Out: 40-860 MHz, 2.5 typical (3 max.)
 Satellite In/Out: 950-2050 MHz, 8 typical (6 min.)
 Isolation — TV, Satellite: 20 dB, typical
 DC Pass: TV In/Out: none
 Satellite In/Out: 500mA max.

High Frequency Satellite Splitters



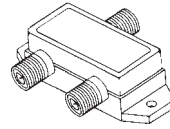
2-Way High Frequency Splitter
252

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



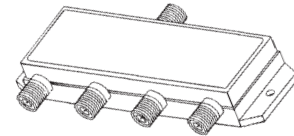
4-Way High Frequency Splitter
254

- 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:

	252	254	262	264
Bandwidth:	950-2300	950-2300	950-2300	950-2300
Insertion Loss:	5 dB Maximum	5 dB Maximum	9 dB Maximum	10 dB Maximum
Port to Port Isolation:	13 dB Minimum	13 dB Minimum	13 dB Minimum	12 dB Minimum
Input Return Loss:	14 dB Minimum	14 dB Minimum	12 dB Minimum	12 dB Minimum
Output Return Loss:	14 dB Minimum	14 dB Minimum	13 dB Minimum	13 dB Minimum
Power Passive:	One Port	One Port	All Ports	All Ports

Deluxe Full Cycle Ratchet Crimp Tool Kit

1505



1505 COAX TOOL KITS

Hex	Hex	Hex	Hex	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

6 1/2" 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




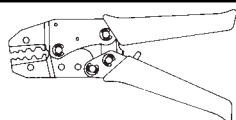
Deluxe Ratchet Crimp Tool

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
	657	.385 .320 .250 .211	RG-58 & RG-6, RG-59	Crimps 2 piece BNC & TNC Connectors
	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

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

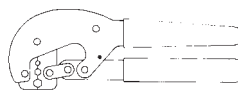


636 For UHF and "N" Connectors on RG-8, 11, 213. Hex Sizes .406 & .101
637 For "F" Connector on RG11, 11 Plenum, 11 Quad. Hex Sizes .100, .322, .476

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

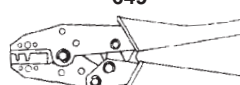
Terminal Crimp Tool



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

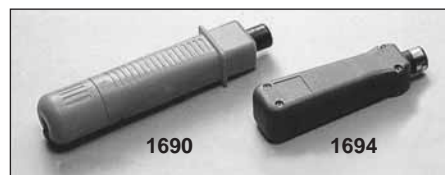
654

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

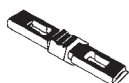
Impact Punch Down Tools

- 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.

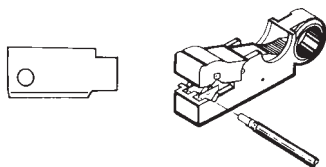


1696 for Use on 630A Modular Phone Jacks.



1697 For Use on Krone Type Connecting Blocks

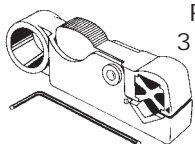
Coaxial Cable Strippers



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.

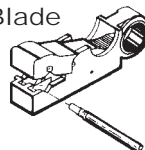
Replacement Blades:
669 For 2 Blade Strippers.
669A For 3 Blade Strippers.



**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

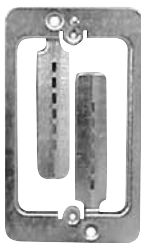
Features and Benefits:

- 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)					

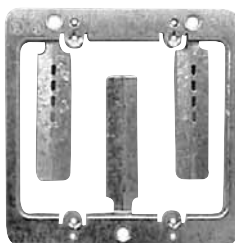
For optional color add to part number: B = Blue G = Green GR = Gray O = Orange R = Red Y = Yellow

Assorted Installation Accessories



**Wall Mount Bracket
for low voltage wiring.**

682

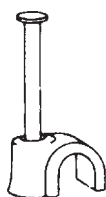
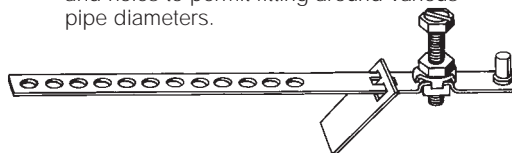


**Dual Wall Mount Bracket
for low voltage wiring.**

684

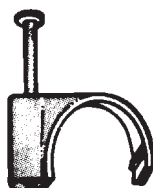
Grounding Strap

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

Assorted Installation Accessories



Self-Sealing Tape

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

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
- 32-853** 100 ft. Male to Female High Density-15
- 32-852** 100 ft. Male to Male High Density-15

SVGA Cables w/audio

- 32-870** 3 ft. SVGA with Audio
- 32-871** 6 ft. SVGA with Audio
- 32-872** 10 ft. SVGA with Audio
- 32-873** 15 ft. SVGA with Audio
- 32-874** 25 ft. SVGA with Audio
- 32-875** 35 ft. SVGA with Audio
- 32-876** 50 ft. SVGA with Audio
- 32-877** 75 ft. SVGA with Audio
- 32-878** 100 ft. SVGA with Audio



Firewire Cables (IEEE-1394)

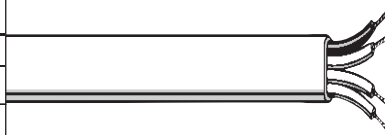


- 32-700** 6 ft. 4 Pin Male to 4 Pin Male
- 32-701** 10 ft. 4 Pin Male to 4 Pin Male
- 32-702** 6 ft. 4 Pin Male to 6 Pin Male
- 32-703** 10 ft. 4 Pin Male to 6 Pin Male
- 32-704** 6 ft. 6 Pin Male to 6 Pin Male
- 32-705** 10 ft. 6 Pin Male to 6 Pin Male
- 32-706** Adapter, 6 Pin Female to 4 Pin Male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



Silver Satin Line Cords

CZ. No.	Gauge	No. of Conductors	Length
4024UL	26	4 UL Listed	1000 ft.
4026UL	26	6 UL Listed	1000 ft.
4028UL	26	8 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
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)		Recover 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 Elongation 200%
 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 Absorption 0.5% max.
 Flammability Passed VW-1

ELECTRICAL ATTRIBUTES

Dielectric Strength..... Minimum 500 v/mil (19.7 Kv/mm)
 Volume Resistance..... 1016 ohm/cm

CHEMICAL ATTRIBUTES

Corrosive Effect.... Non-corrosive
 Fungus resistance No growth

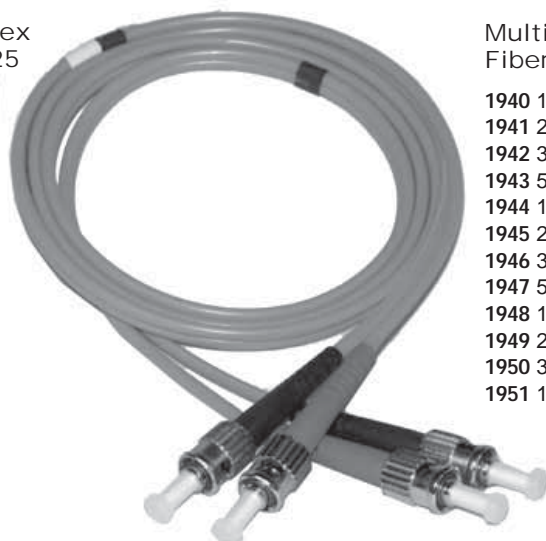
SHRINKAGE RATIO

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

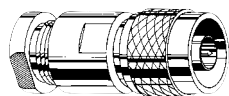
- 1940 1 Meter SC-SC
- 1941 2 Meter SC-SC
- 1942 3 Meter SC-SC
- 1943 5 Meter SC-SC
- 1944 1 Meter LC-SC
- 1945 2 Meter LC-SC
- 1946 3 Meter LC-SC
- 1947 5 Meter LC-SC
- 1948 1 Meter LC-LC
- 1949 2 Meter LC-LC
- 1950 3 Meter LC-LC
- 1951 1 Meter LC-ST
- 1952 2 Meter LC-ST
- 1953 3 Meter LC-ST
- 1954 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

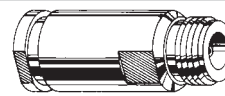
“N” Type Connectors



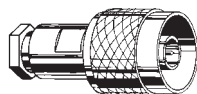
Solder Type - Male
663TS for Belden 9913, LMR400



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),
LMR400, Belden 9913 Cable



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

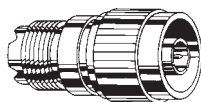


Adapter
Double Female
605TS (UG-29/BU)



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

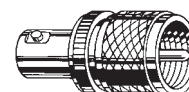
Interseries Adapters



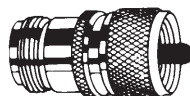
609TS
UHF Female to “N” Male
UG-146/U



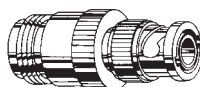
306TS
UHF Female to BNC Male
UG-255/U



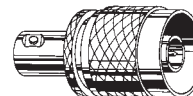
303TS
BNC Female to UHF Male
UG-273/U



611TS
“N” Female to UHF Male
UG-83/BU

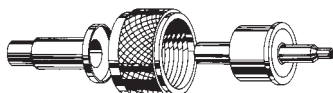


612TS
“N” Female to BNC Male
UG-349/U

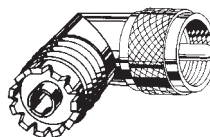


613TS
BNC Female to “N” Male
UG-201/AU

UHF Type Connectors



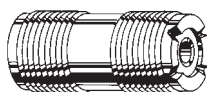
Male Crimp Type
422TS for RG-58/U
424TS for RG-8/U



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

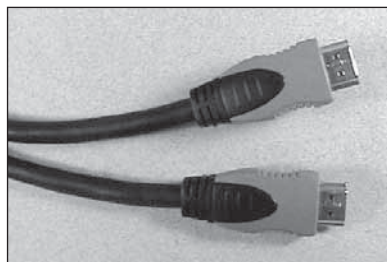


Male Solder Type
2 Piece Construction
401DTS PL-259 for RG-8, 213 Cable,
Teflon Insulated, Silver Plated
Body & Nut, Gold Plated Pin,
Machined Brass



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

HDMI Cables and Adapter



HDMI to HDMI Cables

Transfers a pure, digital audio & video signal through a single cable. Formats from Stereo to Multi-Channel Sounds. High Speed w/ Ethernet, CL2, Version 1.4

32-831	3 ft.	32-833-15	15 ft.	32-833-35	35 ft.	32-833-50	50 ft.
32-832	6 ft.	32-833-25	25 ft.	32-833-40	40 ft.	32-833-75	75 ft.
32-833	10 ft.	32-833-30	30 ft.	32-833-45	45 ft.	32-833-100	100 ft.



DVI Female to HDMI Male Adapter

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

32-836

HDMI Wall Plates



HDMI Over Cat.5E Extender Wall Plate Set
32-870



HDMI Single Wall Plate
32-864 White



HDMI Dual Wall Plate
32-865 White



Wallplate with HDMI & F Connector
32-868 White



Wallplate with HDMI & 3-RCA (RGB)
32-869 White

HDMI Splice & Cable Couplers



HDMI Keystone Coupler
32-867 White



HDMI Female to Female Splice
32-866

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SSMA • BNC • MCX
SSMB • TNC • RCA
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MMCX • MINI UHF
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