

PRODUCT CATALOG

Connectivity and Structured Cabling



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The AIM-Cambridge Product line from Emerson Connectivity Solutions has been offering a complete line of quality RF connectors for over 50 years. Available in 50 and 75 Ohm versions, these connectors are designed to offer the highest quality data transmission for data, video and audio applications, and are available in BNC, TNC, F, SMA, N, UHF and Mini-UHF versions, plus a full line of adapters. If you are looking for preassembled RF cables, our custom cable department has the capability to build any assembled cable to your custom length or configuration, using these connectors that we stock for quick turn delivery.

75 Ohm BNC Connectors

Electrical Characteristics

- Impedance:** 75 Ohm
- Working voltage:** 500 volts, RMS at sea level
- Frequency range:** 0-2 GHz with low reflection
- Contact resistance:** Outer - 0.2 milliohms
Center - 2.1 milliohms (.000050 gold)
- Insulation resistance:** 5,000 megohms minimum
- Dielectric withstanding voltage:** 1,500 volts, RMS at sea level
- Corona Level:** 375 volts minimum at 70,000 ft.

Environmental Characteristics

- Recommended temp. range:** -55 C to +85 C
- Vibration:** MIL-Std. 202
- Shock:** MIL-Std. 202, 100Gs
- Moisture resistance:** MIL-Std. 202

Mechanical Characteristics

- Durability:** 500 Cycles (.000050 gold)
- Force to engage/disengage:** 3 lbs. maximum
- Coupling nut retention:** 60 lbs. maximum
- Cable retention:** 60 lbs. with 95% braid coverage - RG58c/u cable

Material

- Body:** Zinc
- Contact:** Brass
- Spring washer:** Beryllium copper
- Insulator:** Teflon
- Plating:** Body - Nickel
Contact - Gold

Crimp-On 75 Ohm 2-Piece BNC Connectors



Crimp BNC (M)
2 Piece, Solderless

Part No.	Cable Type	Tool No.
CP782	RG-59 & 62	24-9859P
28-90027 (CP785)	RG-6	24-9960P
28-90097 (CP7810)	RG-59 & 62TFE	24-9858P



Right Angle, Crimp
BNC (M) 2 Piece,
Solderless

Part No.	Cable Type
VB20-2031	RG-59

Crimp-On 75 Ohm 3-Piece BNC Connectors



Crimp BNC (M)
3 Piece

Part No.	Compatible Cable	Crimper	Stripper
28-91027 (CPMC785)	Belden RG-6	24-8856P	24-7733P
28-91037	Belden 1506A, RG-59TFE & RG-62TFE	24-9958P	24-7733P
CPMC782	Belden 1505A, RG-59, RG-62	24-7732P	24-7733P
CPMC783	Belden 8281, 9141, 9231	24-8859P	24-7733P
CPMC7818	Belden 735A, 8218, 1855A	24-9912P	24-7734P

(M) = Male Plug (F) = Female Socket

Chassis Mount 50 Ohm BNC Adapters & Connectors



Front Mount Bulkhead Jack Receptacle without Solder Tab

Part No.
CPI094U



Front Mount Bulkhead Jack Receptacle with Solder Tab

Part No.
CP1094AST



Bulkhead Jack to Jack Adapter with Lock Washer

Part No.
CPAD556M



Isolated BNC Jack Chassis Mount

Part No.
27-8471 (CPAD521)



Isolated Front Mount Bulkhead Jack Receptacle

Part No.
CPAD520

BNC Terminators & Attenuator Pads



BNC Terminators
1/2 W @ 1%, with and without Grounding Strap

Ohms	Color	w/o Strap
50 Ohms	Green	27-9008
75 Ohms	Purple	27-9007 (CP88T75)



BNC (M) to BNC (F) Attenuator Pads
1/2 W @ 5%, 50 Ohms

Part No.	Rating
27-9300-3	3db
27-9300-6	6db
27-9300-10	10db
27-9300-20	20db

2-Piece Crimp-On 50 Ohm BNC Connectors



Crimp BNC (M)
2 Piece, Solderless

Part No.	Cable Type	Tool No.
CP882	RG-59, 62	24-9859P
CP881	RG-58	24-9858P
CP883	Belden 8281	24-8866P
CP885	RG-6	24-9460P
CP8810	RG-59, 62TFE	24-9858P
27-9209	RG-6TFE	24-9858P
27-9210	RG-59, 62 MATV (20-24 AWG)	24-9859P



Crimp BNC (F)
2 Piece, UG-89

Part No.	Cable Type	Tool No.
CP892	RG-59 & 62	24-9859P
27-9014	RG-58	24-9858P
27-9015	RG-59 & 62TFE	24-9858P



Crimp BNC (M) with (2) Ferrules, 2 Piece.
One Connector
Two Ferrules to Fit Multiple Size Cables.

Part No.	Cable Type	Tool No.
27-9010	RG-58, 59 & 59TFE	24-9960P

(M) = Male Plug (F) = Female Socket

50 Ohm “N” Connectors



Crimp ‘N’ (M)
3 Piece, Crimp Center Pin

Part No.	Cable Type	Tool No.
CPN8/110	RG-8 w/110 Center Cond.	24-7712P
CPN8	RG-8, 11, 213	24-7712P
CPN1	RG-58	24-9960P
CPN2	RG-59 & 62	24-9960P
CPN17	RG-8x	24-9960P
CPN142T	RG142TFE	--



‘N’ (M)
Solder Center Pin,
UG-21B/U

Part No.	Cable Type
26-8000	RG-8, 11, 213, 214

Straight Crimp Plug,
Solder or Crimp Contact

Part No.	Cable Type
CPN688	RG-8, 213

50 Ohm “N” Adapters



Inline Splice
‘N’ (M) to ‘N’ (M),
UG-57B/U

Part No.
26-8009



Inline Splice
‘N’ (F) to ‘N’ (F),
UG-29B/U

Part No.
26-8010



Chassis Mount
‘N’ (F) to Solder Lug
UG-58B/U

Part No.
26-8011



Right Angle
‘N’ (M) to ‘N’ (F),
UG-27/U

Part No.
26-8012



‘N’ (F) to BNC (M)
UG-349/U

Part No.
26-8017



Jack to Bulkhead
Jack Inline Adapter,
UG-29B/U

Part No.
CPAD851



‘N’ (M) to BNC (F)
UG-201U

Part No.
26-8016



‘N’ (M) to UHF (F)
UG-146/U

Part No.
26-8015



‘N’ (F) to UHF (M)
UG-83/U

Part No.
26-8014



‘N’ (M) to ‘F’ (F)

Part No.
26-8020



‘N’ (M) to SMA (F)

Part No.
29-3840

50 Ohm “N” Terminators



‘N’ Terminator (M)
1W @ 2%

Part No.	Ohms
26-8023	50 Ohms

(M) = Male Plug (F) = Female Socket

UHF Adapters



In-Line Splice PL-258,
UHF (F) to UHF (F)

Part No.

25-7330
(CPAD204)



Right Angle Adapter
UHF (M) to UHF (F)

Part No.

25-7340



UHF 'T' Adapter
3 Female (F-F-F)

Part No.

CPAD210
(25-7324)



UG-146/U Adapter
UHF (F) to 'N' (M)

Part No.

26-8015
(CPAD808)



UG-83/U Adapter
UHF (M) to 'N' (F)

Part No.

26-8014



Chassis Mount
UHF (F) to UHF (F)
UG-363/U

Part No.

CPAD207



UHF (M) to
Mini-UHF (F)

Part No.

29-4145
(CPAD219)



UG-273/U Adapter
UHF (M) to BNC (F)

Part No.

27-8120
(CPAD500)



UHF (F) to
Mini-UHF (M)

Part No.

29-4140
(CPAD214)



UHF (F) to 'F' (M)

Part No.

27-8200



Chassis Mount
UHF (F) to Solder Lug,
SO-239

Part No.

25-7350
(CPAD206)

TNC Adapters



Chassis Mount
TNC (F) to TNC (F),
1/2" Mounting Hole

Part No.

27-9067
(CPAD356)



TNC Inline Splice
TNC (F) to TNC (F)

Part No.

27-9069
(CPAD355)



TNC (F) to
Mini-UHF (M)

Part No.

29-4100
(CPAD305)



TNC (M) to
Mini-UHF (F)

Part No.

29-4105
(CPAD302)



TNC Right Angle
TNC (M) to TNC (F)

Part No.

27-9068
(CPAD306)



TNC (M) to BNC (F)

Part No.

27-8250
(CPAD300)

(M) = Male Plug (F) = Female Socket



With one of the widest selections of 'F' connectors in the industry, we offer you a high-quality, cost-effective connectivity solution. All our 'F' connectors are designed to meet the high standards of the Satellite and Cable TV industries. Our 'F' type connectors are available for RG-59, RG-6 and RG-11 cable and are offered in twist-on, crimp, solder style and weatherproof varieties.

* 0 - 3 GHz

Weatherproof "F" Connectors



Gel Filled 'F' (M)
Crimp, 0.324 Diameter, with O-ring for Weatherproof Application.

Part No.	Cable Type	Tool No.
25-7066	RG-6	24-7710P



F-56ALM WP (M)
Crimp, 1 Piece, 0.324 Diameter, Chromate Plated, with Interior Gasket.

Part No.	Cable Type	Tool No.
25-7056 (CPF56ALMWP)	RG-6	24-8866P

"F" 56 Series Connectors for RG-6

(Use Crimp Tools 24-7710 or 24-8866P for connectors listed)



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

Part No.
25-7150



Crimp-On F-56ALX (M) for RG-6 Tri-Shield & Quad Plenum Cable

Part No.
25-7033 (CPF56ALX)



Crimp-On F-56ALX (M) for RG-6 Quad-Shield Cable

Part No.
25-7034 (CPF56ALS)



Crimp-On F-56A (M) with attached 1/4" Ring

Part No.
25-7160



'F' Ratchet Crimp Tool for RG-59, RG-6 and Quad Shield Cable

Part No.
24-8866P



Crimp-On F-56ALM (M) for RG-6 Cable

Part No.
25-7032 (CPF56ALM)



Crimp-On F-56 (M) for Teflon/Plenum RG-6 Cable

Part No.
25-7047



Twist-On F-56 (M) for standard RG-6 Cable

Part No.
25-7180 (CPF156)



Crimp-On F-56ALM (M) for RG-6 Cable, Zinc Plated

Part No.
25-7036

(M) = Male Plug (F) = Female Socket

"F" Series Splice Adapters



F-81 Inline 3/4" Splice (F) to (F)

Part No.

25-7200



F-81 Inline 1" Splice (F) to (F)

Part No.

25-7200L (CPF81L)



F-81 2GHz 1" Splice for CATV & Satellite (F) to (F)

Part No.

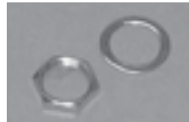
VSF81-G



F-81 Inline 3/4" Splice with Nut & Washer (F) to (F)

Part No.

25-7210 (CPF81NW)



7/16" Nut & Washer for use with all AIM 'F' Mounts & Splices

Part No.

NW-F81



F-71 Inline Splice (M) to (M)

Part No.

25-7640 (CPF71)



F-81 2GHz 1" Splice with Nut & Washer for CATV & Satellite (F) to (F)

Part No.

VSF81G-NW

"F" Connector – Chassis & PCB Mount



'F' Side Edge PCB Mount (F)

Part No.

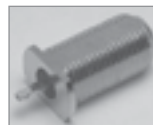
25-7630 (CPF61SE)



F-61PC Straight PCB Mount (F)

Part No.

25-7650



F-61HD Chassis Mount (M) with 2 flat Sides

Part No.

25-7670



F-61AD Chassis Mount (F)

Part No.

25-7660



'F' Right Angle PCB Mount, Short (F)

Part No.

25-7652 (CPF61SR)

Crimp O-Rings

Part No.	Cable Type	Ring
25-7110	RG-59	1/8"
25-7040	RG-59	1/4"
25-7090	RG-59	1/2"
25-7620	RG-11	1/5"



Quick Selector-Connector to EMERSON Tool

(Select one AIM-Cambridge Connector Row Reference to Vertical Tool Column)

AIM Products Connectors	Non-Ratchet 'F' Crimp Tools				Ratchet Coaxial Crimp Tools					Standard Series Ratchet Coaxial Crimp Tools with Interchangeable Dies								Coaxial Cable Stripping Tools										
	24-7710P	24-7711P	24-7712P	24-7713P	24-321P	24-8860P	24-8865P	24-8866P	24-9960P	24-328P	24-8789P	24-8856P	24-8857P	24-8858P	24-8859P	24-9858P	24-9859P	24-9912P	24-9958P	24-9959P	24-7732P	24-7733P	24-7734P	24-7735P	24-7736P	24-7737P	24-7738P	24-7739P
25-7000	•						•														•	•	•	•				(CPF591/8)
25-7010	•						•														•	•	•	•				(CPF591/4)
25-7020	•						•														•	•	•	•				(CPF591/2)
25-7030	•						•	•													•	•	•	•				(CPF59ALM)
25-7031	•						•														•	•	•	•				(CPF59ALX)
25-7032	•						•	•													•	•	•	•				(CPF56ALM)
25-7033	•						•														•	•	•	•				(CPF56ALX)
25-7034		•					•														•	•	•	•				(CPF56ALS)
25-7035	•						•	•													•	•	•	•				(CPF59TE)
25-7036	•						•														•	•	•	•				(CPF56ALMZ)
25-7037							•														•	•	•	•				(CPF59CP)
25-7038							•														•	•	•	•				(CPF56CP)
25-7047	•						•														•	•	•	•				(CPF56P)
25-7050	•						•														•	•	•	•				(CPF59A)
25-7056	•						•	•													•	•	•	•				(CPF56ALMWP)
25-7066	•						•	•													•	•	•	•				(CPF56WPG)
25-7070	•						•														•							(CPF59G)
25-7081	•						•														•							(CPF59FLM)
25-7150	•						•														•							(CPF561/4)
25-7160	•						•														•							(CPF56A)
25-7191		•																									•	(CPF11ALM)
25-7192			•																								•	(CPF11PLM)
25-7290	•						•															•		•				(CPF59RP)
25-7308																			•		•							(CPL2592)
26-8000		•																									•	(CPAD802)
26-8002			•																								•	(CPAD814)
26-9010								•															•	•	•			(CPSW8821)
26-9014															•								•	•				(CP891)
26-9015																•							•	•				(CP8910)
CPL2591											•											•						(25-7307)
CPN1								•	•												•	•						(26-8028)
CPN17								•													•							(26-8031)
CPN2								•													•					•	•	(26-8029)
CPN8			•																		•						•	(26-8005)
CPN8/110		•																									•	(26-8033)
CP881															•						•	•	•	•				(27-8001)
CP8810															•						•	•	•	•				(27-9009)
CP882															•						•	•	•	•				(27-9000)
CP883							•														•	•	•	•				(27-9006)
CP885								•													•	•	•	•				(27-9002)
CP892																	•				•	•	•	•				(27-9003)
27-9078															•								•					(CPTNC1)
27-9101						•						•			•						•					•	•	(CPMC881)
27-9104														•													•	(CPMC883)
27-9105																		•				•						(CPM8819)
27-9119						•					•										•							(CPMC8825)

The AIM-Cambridge line carries several types of RCA Connectors along with a line of Standard, Gold, and Audio Series Adapters to fit your Audio Video needs. Please look at the A/V cable assembly options throughout this catalog for all your other specific needs.

RCA Standard Series Adapters



RCA (F) to BNC (M)

Part No.
25-7510 (CPAD515)



RCA (M) to BNC (F)

Part No.
27-8110 (CPAD501)



RCA (F) to RCA (F)

Part No.
19-1702



RCA (F) to 'F' (F)

Part No.
25-7570



RCA (M) to 'F' (F)

Part No.
25-7530 (CPAD103)



RCA (F) to 'F' (M)

Part No.
25-7580

Audio Adapters



'Y' Adapter, Stereo (1) RCA Plug (M) to (2) RCA Jacks (F)

Part No.
19-1671P



'Y' Adapter, Stereo 3.5 mm Mini-Plug (M) to (2) RCA Jacks (F)

Part No.
19-1672P



'Y' Adapter, Stereo (2) RCA Plugs (M) to (1) RCA Jack (F)

Part No.
19-1673P

D-Sub Pins & Sockets



Standard D-Sub Pins for 98 Series (M) Gold Plated

Part No.	Quantity
40-9854M	25 per bag
40-9856M	100 per bag



Standard D-Sub Pins for 98 Series (F) Gold Plated

Part No.	Quantity
40-9864S	25 per bag
40-9866S	100 per bag



High Density D-Sub Pins for 94 Series (M) & 98 Series Gold Plated

Part No.	Quantity
40-9428M	100 per bag



High Density D-Sub Pins for 94 Series (F) & 98 Series Gold Plated

Part No.	Quantity
40-9428F	100 per bag

D-Sub Termination Tools



D-Sub Insertion & Extraction Tool

Part No.	Type
40-9865	Standard



D-Sub Non-Ratchet Crimp Tool Crimps Non-Insulated Open Barrel Connectors & Contacts

Blister No.
24-7373P



D-Sub Crimping Tool for Precision Machined Contacts, 4 Way Indent, Crimps 20-26 AWG with Built-in Contact Locator

Blister No.
24-8643P



D-Sub Full Cycle Ratchet Crimping Tool with Tension Adjustment Wheel, Crimps 18-22 & 24-30 AWG, Non-Insulated Open Barrel Connectors, D-Sub Contacts

Blister No.
24-8645P

D-Sub Hardware

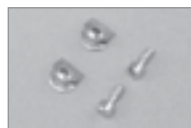


Fig. A



Fig. B



Fig. C



Fig. D



Fig. E



Fig. F

Description	Length	Figure	Gender	Part No. (1 Set)	Bulk (50 Sets)
Screw & Retainer	0.31"	A	M	40-98440M	40-98440M-C
Screw & Retainer	0.55"	B	M	40-98441M	40-98441M-C
Hex Female Screw Locks	0.30"	C	F	40-98440F	40-98440F-C
Hex Female Screw Locks	0.50"	D	F	40-98442F	40-98442F-C
Hex Standoff	0.24"	E	F	40-98443N	40-98443N-C
Thumbscrew Set	1.25"	F	M	40-9844T	40-9844T-C

(M) = Male Plug (F) = Female Socket



When computer connectivity is the project at hand, turn to Emerson Connectivity Solution. We offer a complete line of computer cables and adapters, including HDMI, USB, RS-232, and IEEE 1284 printer cables. If it's LAN or Ethernet cable assemblies, we offer both CAT5E and CAT6 patch cables in a molded low profile in several lengths and colors. Custom cable assemblies are always available and we offer quick turnaround time for your production needs.

Premium Multi-Coax Monitor Cables



VGA/SVGA Multi-Coax
5 BNC Monitor Cable

Part No.	Length	Conn. 1	Conn. 2
73-6360-6	6 feet	HD15 (M)	5BNC (M)
73-6360-10	10 feet	HD15 (M)	5BNC (M)



VGA/SVGA Multi-Coax
Monitor Cable

Part No.	Length	Conn. 1	Conn. 2
30-1511-6	6 feet	HD15 (M)	HD15 (M)
30-1511-10	10 feet	HD15 (M)	HD15 (M)

Universal Serial Bus Cables (USB Ver. 2.0)

These USB cables consist of one pair of 20-28 AWG wire for power distribution (low or full speed) and one pair of 28 AWG wire twisted, with a shield and overall jacket (full speed) for signal distribution.



USB A-B Cable
Version 2.0

Part No.	Length	Conn. 1	Conn. 2
30-3007-3	3 feet	USB A (M)	USB B (M)
30-3007-6	6 feet	USB A (M)	USB B (M)
30-3007-10	10 feet	USB A (M)	USB B (M)
30-3007-15	15 feet	USB A (M)	USB B (M)



USB A-A Extension
Cable Version 2.0

Part No.	Length	Conn. 1	Conn. 2
30-3008-6	6 feet	USB A (M)	USB A (F)



USB A-A Cable
Version 2.0

Part No.	Length	Conn. 1	Conn. 2
30-3006-6	6 feet	USB A (M)	USB A (M)
30-3006-10	10 feet	USB A (M)	USB A (M)
30-3006-15	15 feet	USB A (M)	USB A (M)

Serial Modem Cables



External Serial Modem Cable

Part No.	Length	Conn. 1	Conn. 2
30-9506-29	6 feet	DB25 (M)	DB9 (F)
30-9510-29	10 feet	DB25 (M)	DB9 (F)

D-Sub Gender Changers & Adapters



Gender Adapter
DB9 (F) to DB25 (M)

Part No.
30-9516



Gender Adapter
DB9 (M) to DB25 (F)

Part No.
30-9520



High Density D-Sub (SVGA) Mini
Gender Changers & Port Saver

Part No.	Pins	Gender
30-9537	15	F to F
30-9538	15	F to M



D-Sub Mini Gender
Changers

Part No.	Pins	Gender
30-9530	9	F to F
30-9531	9	M to M
30-9532	15	F to F
30-9533	15	M to M
30-9534	25	F to F
30-9535	25	M to M

75 Ohm “F” to “F” Hook-Up Cables for MATV/CATV/SATV/VCR/DVD



F-59 Hook-Up Cable with Gold Connectors Molded Strain Relief, 75 Ohm, Packaged for Retail Display

Part No.	Length	Conn. 1	Conn. 2
612FFGP	12 feet	F (M)	F (M)

Silver Satin Flat Cables



Modular Data Extension Cords (M) to (M) Plugs, Straight-Wired

Custom lengths available. Call for pricing for RJ11 & RJ12. **Made in USA.**



Modular Telephone Extension Cord (M) to (M) Plugs, Cross-Wired

Part No.	Length	Color	Conductors
32-1414	7 feet	Gray	6P4C (RJ-11)
32-1434	15 feet	Gray	6P4C (RJ-11)
32-1454	25 feet	Gray	6P4C (RJ-11)
32-6PP7	7 feet	Gray	6P6C (RJ-12)
32-6PP25	25 feet	Gray	6P6C (RJ-12)

Coaxial LAN & Video Cables



BNC Cable Assemblies Shielded BNC (M) to BNC (M), Black

50 Ohm RB-58	Length	75 Ohm RG-59
6035BBP	3 feet	603BBP
		606BBP
6012BBP	12 feet	612BBP

Other Custom Made Cables



For custom parts,
call customer service.

LAN Crossover Patch Cables
4 Pair UTP, 24 AWG Stranded, RJ-45 to RJ-45,
EIA568B, with Matching Colored Boots & Cable
(unless otherwise specified).

Length	Cat 5E-350 MHz	Cat 6-500 MHz
3 feet	74-778_X-3	74-888_X-3
7 feet	74-778_X-7	74-888_X-7
10 feet	74-778_X-10	74-888_X-10
14 feet	74-778_X-14	74-888_X-14
25 feet	74-778_X-25	74-888_X-25
50 feet	74-778_X-50	74-888_X-50

Colors: '_ '= 0-Gray, 1-Black, 2-Blue, 3-Green, 4-Red, 5-Yellow, 6-White

* All cables available in custom lengths

Made in U.S.A.

Call today for pricing and availability
on any custom cable assemblies.
Most name brand and equivalent
connector styles are available to
build to your configuration
and specifications!

Call Customer Service at (507) 833-8822



DB-9 to DB-9, D-Subminiature Cables
Fully loaded using 4 1/2 Pair, Dual Shield,
Low Capacitance Cable.

Length	(M) to (M) Part No.	(M) to (F) Part No.	(F) to (F) Part No.
6 feet	73-6210MM-6	73-6210MF-6	73-6210FF-6
10 feet	73-6210MM-10	73-6210MF-10	73-6210FF-10
25 feet	73-6210MM-25	73-6210MF-25	73-6210FF-25
50 feet	73-6210MM-50	73-6210MF-50	73-6210FF-50

* All cables available in custom lengths



DB-15 to DB-15, D-Subminiature Cables
Fully loaded using 7 1/2 Pair, Dual Shield,
Low Capacitance Cable.

Length	(M) to (M) Part No.	(M) to (F) Part No.	(F) to (F) Part No.
6 feet	73-6220MM-6	73-6220MF-6	73-6220FF-6
10 feet	73-6220MM-10	73-6220MF-10	73-6220FF-10
25 feet	73-6220MM-25	73-6220MF-25	73-6220FF-25
50 feet	73-6220MM-50	73-6220MF-50	73-6220FF-50

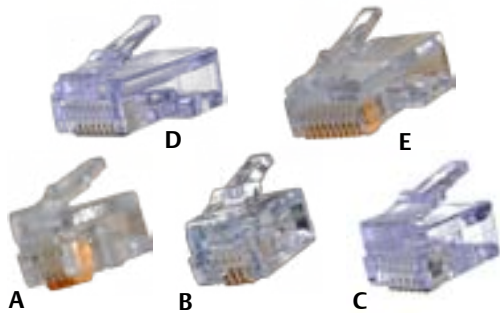
* All cables available in custom lengths



DB-25 to DB-25, D-Subminiature Cables
Fully loaded using 12 1/2 Pair, Dual Shield,
Low Capacitance Cable.

Length	(M) to (M) Part No.	(M) to (F) Part No.	(F) to (F) Part No.
6 feet	73-6230MM-6	73-6230MF-6	73-6230 FF-6
10 feet	73-6230MM-10	73-6230MF-10	73-6230 FF-10
25 feet	73-6230MM-25	73-6230MF-25	73-6230 FF-25
50 feet	73-6230MM-50	73-6230MF-50	73-6230 FF-50

* All cables available in custom lengths



These premium quality UL listed modular plugs are manufactured in the USA to meet or exceed the high data transmission standards required by current voice and data communication standards. They are designed to work with most standard crimp tools, as well as the complete line of Emerson crimp tools as found on page 52. These connectors are available in 4, 6, 8 and 10 pin versions, and the gold contacts consist of 50 micro-inch gold plating, and are built to work with both solid and stranded conductor cables.

Modular Plugs

Features:

- 50 micro-inch Gold-Plated contacts
- Easy Installation with most Crimp Tools
- UL Listed & Certified
- Made in U.S.A.

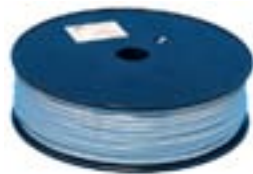


Part No.	Figure	RJ-11 (6p4c)	RJ-12 (6p6c)	RJ-45 (8p8c)	Cat5	Cat5E	Cat6	Straight	Offset	Load Bar	Solid	Stranded	Flat	Round	Unshielded
32-2298UL	G			✓		✓					✓	✓		✓	Shielded
32-5964UL	A	Handset Plug RJ-22 (4p4c)			✓			✓			✓	✓	✓	✓	✓
32-5954UL	B	✓			✓			✓			✓	✓	✓		✓
32-5994UL	B	✓			✓			✓			✓	✓		✓	✓
32-5956UL	C		✓		✓			✓			✓	✓	✓		✓
32-5996UL	C		✓		✓			✓			✓	✓		✓	✓
32-2098UL	F			✓	✓			✓			✓	✓		✓	Shielded
32-5958UL	D			✓	✓			✓			✓	✓	✓		✓
32-5998UL	D			✓	✓			✓			✓	✓		✓	✓
32-5998EUL	D			✓		✓			✓		✓	✓		✓	✓
32-2198UL	D			✓		✓		✓	✓	✓	✓	✓		✓	✓
32-6198UL	D			✓			✓		✓	✓	✓	✓		✓	✓
<i>(Works with Belden 1872A and Bonded Cat6 7881 Wire)</i>															
32-5910UL	E			RJ-45 (10p10p)	✓			✓			✓	✓		✓	✓

NOTE: Packaged and sold in 100 piece bags only.



Cat5E & Cat6 Stranded Patch Cable 4 pair, 24 AWG Unshielded, EIA/TIA 568, 1,000 ft. 'Reel in Box' with cable length markings.



Flat Silver Satin Telephone and Computer Equipment Wire Stranded Wire, Spool, Gray



Colored Snagless Boots – 100 per bag for RJ-45 8 Conductor Shielded and Unshielded Modular Plugs.

Cat5E (350 MHz)	Color	Cat6 (500 MHz)
65-9580	Gray	65-9680
65-9581	Black	65-9681
65-9582	Blue	65-9682
65-9583	Green	65-9683
65-9584	Red	65-9684
65-9585	Yellow	65-9685
65-9586	White	65-9686

Part No.	Cond.	Length	Listing
65-TF224M	4	1,000 feet	28AWG
65-TF226M	6	1,000 feet	28AWG
65-TF228M	8	1,000 feet	28AWG
65-TF264M	4	1,000 feet	26AWG-UL
65-TF266M	6	1,000 feet	26AWG-UL
65-TF268M	8	1,000 feet	26AWG-UL

Color	Round
Gray	32-2900GY
Black	32-2900BK
Blue	32-2900BU
Green	32-2900GN
Red	32-2900RE
Yellow	32-2900YE
White	32-2900WH

Modular Tools (continued)



Pro-Series Impact Punch Down Tool
Has a 66 & 110 Blade, a Twist Lock Mechanism, and Adjustable Impact Control.

Part No.
24-418P



LANtest Remote Cable Tester
Tests Pinout & Continuity for 4,6 & 8 pin USOC, RJ-45 568 A&B and Thinnet BNC Connections.

Part No.
24-517

Modular Surface Mount Boxes



Single Port Surface Mount Box
Category 4 Screw Termination, Bottom Entry Wiring

Part No.	Color	Pins
32-2034	Ivory	4
32-2034W	White	4
32-2036	Ivory	6
32-2036W	White	6
32-2038	Ivory	8
32-2038W	White	8



Category 5E Surface Mount Boxes
PC Board Design, RJ-45/110 IDC, EIA 568A & 568B Termination, Plastic Housing

Part No.	Ports	Color	Pins
30-5298ABW	2 Port	White	8
30-5198ABW	1 Port	White	8



Dual Cat4 RJ-45 Surface Box
4 or 8 Conductor Screw Termination, 24-26 AWG, Solid Wire

Part No.	Color	Pins	Termination
32-2234	Ivory	4	8 Screws
32-2234W	White	4	8 Screws

Modular Telephone Wallplates



Single Port Category 4 Telephone Wallplate
Smooth Finish. RoHS compliant.

Part No.	Color	Pins
32-1205	Ivory	4
32-1205W	White	4



With such a large complement of connectors to offer, it is only fitting that you'll find an equally complete offering of AIM-Cambridge line from Emerson termination tools. This line of products includes both ratchet and non-ratchet crimp tools for coaxial, modular plugs, and D-Sub connectors. In addition, you will find a wide array of cable strippers, cutters, impact and nonimpact punch down tools, and a variety of multi-meters, cable testers and termination tool kits to meet your needs.

Cable Tester Kits



LAN & Modular Cable Tester

This tester is designed to quickly read the correct pin configuration of 10/100 Base-T Cable (Cat 5/5E/6), 10 Base-2 Cable (coax), USOC RJ-45/RJ-11 Modular Cables, 356A, EIA/TIA-568A/B and Token Ring cables. With the remote terminator it can test cables installed up to 1,000 feet away through wall-plates and patch panels. It features auto or manual scan with pin-out LED indicators, it verifies cable continuity, opens, shorts, and reversed pairs, and it can check the cable ground. In addition, a power switch is provided for conserving battery power, and it comes standard with a handy carrying case.

Part No.

24-517

Tester Package Includes:

- (2) BNC Adapter Cables, 15 cm
- (1) BNC Adapter (M) to (M)
- (1) 6" RJ-45 Modular Cable
- (1) Deluxe Carrying Bag

Pro-Series 110 & 66 Impact Punch Down Tools



Pro-Series Impact Punch Down Tool

Tool includes two blades. A 66 standard with a 110 installed in the handle. It has a Twist Blade Locking Mechanism, and an adjustable "Hi-Lo" Impact Control. (Replacement Blades are interchangeable with Harris™ Blades.)

Part No.

24-418P

D-Sub Crimping & Termination Tools



Modular Crimping Tool that cuts, strips and terminates 4, 6, 8, & 8 Keyed Modular Plugs. (Works on AMP™ & Stewart™ Plugs.)

Blister No.

24-8644P



D-Sub Full Cycle Ratchet Crimping Tool with Tension Adjustment Wheel, crimps 18-22 & 24-30 AWG, Non-Insulated Open Barrel Connectors, D-Sub Contacts.

Blister No.

24-8645P



D-Sub Crimping Tool for Precision Machined Contacts, 4 Way Indent, Crimps 20-26 AWG with Built-in Contact Locator.

Blister No.

24-8643P



Insulated Terminal Ratchet Crimping Tool
Crimps 10-22 AWG fully insulated terminals in an ovalized crimp.

Blister No.

24-8622P



D-Sub Non-Ratchet Crimp Tool
Crimps Non-Insulated Open Barrel Connectors & Contacts.

Blister No.

24-7373P

See our wide selection of
D-Sub components on pages 21

D-Sub Insertion Tools



Standard D-Sub Insertion & Extraction Tool

Part No.

40-9865

Standard Series Ratched Crimping Tools



This series of tools offers a wide selection of interchangeable dies, a high quality steel frame with a full cycle ratchet mechanism and a quick release safety latch. All are blister packaged for retail display.

Tool Part No.	Cable Size	Description	Hex Size
24-328P	RG-58, RG-161, RG-178, RG-174, RG-182, RG-188, RG-316	SMA, SMB, Fiber	.043", .069", .100" .128", .151", .210"
24-8856P	RG-6, RG-8 RG-59, RG-62	Crimps BNC-TNC 3 pc. Connectors with standard rings	.390", .275", .065"
24-8857P	RG-58, RG-58AU RG-139, RG-185 RG-188 RG-316	Crimps BNC-TNC 3 pc. Connectors with standard rings	.235", .128", .065"
24-8858P	RG-58, RG-58AU, RG-59	Crimps BNC-TNC Teflon, RG-62 Teflon & 3 pc. Connectors also crimps 1/2" ring 'F' Connectors	.325", .210", .065"
24-8859P	RG-59, RG-62 Belden 8281	Crimps BNC-TNC 2 & 3 pc. Connectors with standard & dual crimp rings	.325", .258", .066"
24-8789P	RG-58, RG-59, RG-62, RG-58TFE, RG-59TFE, RG-62TFE	Crimps BNC & TNC 2 & 3 pc. Connectors. with standard crimp rings by AMP, Kings and Amphenol	.257", .210", .060"
24-9858P	RG-58, RG-59TFE	Crimps 2 pc. BNC & TNC Connectors	.320", .211"
24-9859P	RG-59, RG-62	Crimps 2 pc. BNC & TNC Connectors	.320", .250"
24-9958P	RG-58, RG-58TFE, RG-59TFE, RG-141TFE, RG-142, RG-223, RG-400, RG-303, RG-55	Crimps 3 pc. BNC-TNC & Mini-UHF Connectors	.213", .060"
24-9959P	RG-59, RG-62, RG-450	Crimps 3 pc. BNC-TNC Proflex, RG-8X & Mini-UHF Connector	.255", .060"
24-9912P	RG-122, 180, 34M RG-195, 8218, RG-174 188, RG-179, 187, 316	Crimps 3 pc. BNC-TNC Connectors	.184", .060"
24-8644P	Open Barrel Crimper V.35 Contacts, 10-22 AWG	Crimps open barrel Non-insulated Connectors D-sub, Mini pins & sockets	-----

Self-Adjusting Coax Strippers



2-Step Cable Stripper with self-adjusting replacement blades for RG-6, 58, 59 & 62.

Blister No.	Blades No.
24-7732P	99-7732B



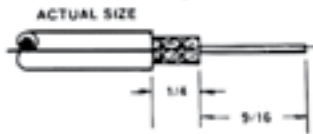
3-Step Cable Stripper with self-adjusting replacement blades for RG-6, 58, 59 & 62.

Blister No.	Blades No.
24-7733P	99-7733B

Termination Instructions

IMPORTANT FOR PROPER
INSTALLATION OF CONNECTORS

TWIST-ON BNC/TNC



1. Trim cable as shown. Taking care not to nick the center conductor or outer braid.



2. Twist the outer braid in a clockwise direction in such a manner that at least 1/32 of inner dielectric is bared and the braid is left flat. (stray or loose braid can cause shorts)



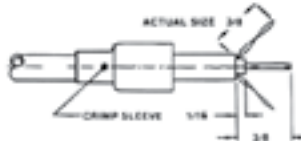
Back end of connector and inner dielectric flush, center conductor is now in place.



4. Firmly push the cable home as far as possible, then screw the connector on the cable in a clockwise direction until it stops.

3. Gently insert the center conductor down into the back end of the connector feeling it into the guide hole. When center conductor is not in place approx. 1/8" of center conductor will show.

TWO-PIECE CRIMP BNC/TNC



1. Run crimp sleeve down cable.
2. Trim cables as shown, taking care not to nick outer braid.
3. Insert center conductor into the guide hole in the rear of the connector. Then screw the connector on the cable in a clockwise direction



CABLE HONED

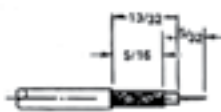


CRIMPED SLEEVE

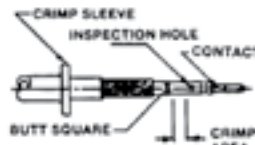
4. Push crimp sleeve into place, sandwiching the braid between the connector and sleeve.

5. Crimp the sleeve into place with the proper crimp tool.

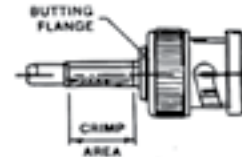
THREE-PIECE CRIMP BNC/TNC



1. Trim cable as shown. Taking care not to nick the inner conductor or braid.



2. Slip crimp sleeve over cable. Place inner conductor into contact. Note that the end of contact and inner dielectric must be butting and square. Crimp with appropriate tooling.



3. Fair outer braid and gently but firmly push the contact into the connector housing until a gentle snap is felt, indicating the contact is in place. Slip the crimp sleeve in place, butting the flange against the connector body and crimp with appropriate tooling.

MINI BNC THREE-PIECE CRIMP



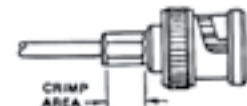
1. Slip support sleeve over cable, and trim jacket as shown, taking care not to nick the shielding braid.



2. Fair braid and lay it in position over the sleeve as shown. Trim away the inner dielectric taking care not to nick the center conductor.



3. Place the bushing and contact in place on the cable and keeping the assembly snugly in place, crimp the contact with appropriate tooling.



4. Gently but firmly push the contact into the connector housing until a gentle snap is felt, indicating the contact is in place, crimp the connector together with appropriate tooling.

USED ON 27-8241, 27-8296, 27-8278, 27-8105

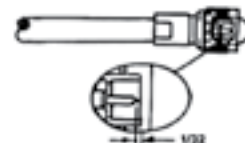
N-TWIST-ON



1. Trim cable as shown, taking care not to nick the center conductor or outer braid. Make sure that the outer braid lays flat. Trim any loose braid which can cause shorts.



2. Twist the contact in a clockwise direction on the inner conductor till the back end of the contact is flush with the inner dielectric.



3. Twist the connector onto the cable in a clockwise direction. The connector is properly installed when the end of the contact is positioned within 1/32" of the front edge of the connector.

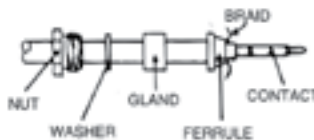
*To aid in twisting on contact insert paper clip in thru hole.

USED ON 26-8019

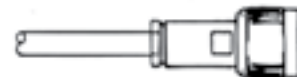
N-SOLDER CLAMP



1. Trim cable as shown, taking care not to nick the center conductor or outer braid.



2. Run nut, washer, gland and ferrule over the cable, and fair the braid over the ferrule. Solder or crimp the contact to the center conductor.



3. Push the center contact home into the body assembly, feeling it snap into place, and with all the loose components in place complete the assembly by wrench tightening the nut.

USED ON 26-8896, 26-8891, 26-8882, 26-8875, 26-8826, 26-8827

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