

MileTek®

PROVIDING CONNECTIVITY SOLUTIONS SINCE 1981

HIGH QUALITY
STOCK AVAILABILITY
SAME DAY SHIPPING!!

DS3 Central Office Solutions

Your Source for Connectors, Tools, Bulk Cable, Cable Assemblies and Racks!

Specializing in
735A and 734A
Connectivity



Samples Available!
Contact MileTek Today



**NEED TOOLING
WITH YOUR CONNECTORS?**

Place an order today for
500 pieces or more and get
\$100 off tool kit 40 50176

see page 4

For Expert Customer Service Call Today! 800-524-7444 • milestek.com/DS3

For over 25 years, professionals have trusted MilesTek for their DS3 Central Office requirements. We specialize in providing solutions for the telecommunications industry.

THE MILESTEK DS3 ADVANTAGE

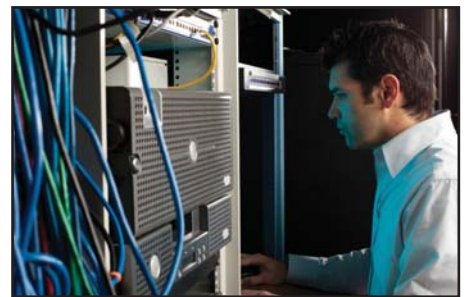
MilesTek is one of the leading manufacturers of DS3 Central Office connectivity products to the telecommunications industry. We provide a complete offering of connectors, tools, bulk cable, cable assemblies and rack accessories for the DS3 installer. Our 28 years of experience, expertise and service are unmatched in the industry today.

We understand the demands of the Central Office engineer and we are able to provide high quality products in the most critical situations. Our experience allows engineers to discuss practical applications and solve their connectivity problems. We are dedicated to providing the best customer service. MilesTek also offers free on-site training with our DS3 products at your convenience.

WHY THE MILESTEK BRAND? – QUALITY AND EXCELLENCE

Established in 1981, MilesTek is dedicated to the mission of serving our customers. MilesTek has earned the reputation of delivering high quality products that are 100% tested and guaranteed to perform. We are conscientious of our customer service responsibilities in applying the proper products in

terms of function, quality, cost effectiveness and providing stock availability. Since we specialize in interconnect products and accessories, MilesTek has established a reputation of expertise and dependability. We strive to offer the best value in quality products at the most competitive price.



Trusting MilesTek to be your provider for DS3 components can easily be justified by the confidence placed in us by our customers. MilesTek is an approved supplier for many telecommunications companies including:

**QWEST • AT&T • TIME WARNER • COX COMMUNICATIONS
TW TELECOM • TELECT • FUJITSU • KGP EMBARQ • VERIZON
AND MANY MORE!**

DS3 CONNECTORS FOR 735A AND 734A

Our new DS3 Mini BNC connector was specifically designed for DS3 central office applications to allow a higher number of connectors/assemblies to be installed in a given area. The new Mini BNC shares the same positive attributes as our popular standard BNC, only in a smaller footprint. There is no need to re-tool as the new Mini-BNC uses exactly the same tool set as our standard BNC plug.

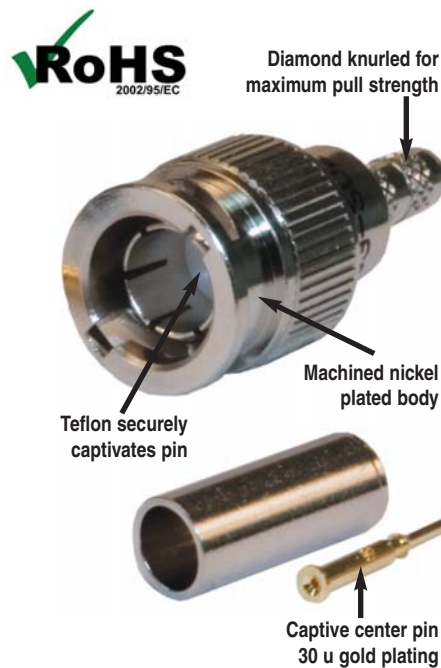
Depending on the brand, MilesTek BNC's are equal to or exceed the quality of other competitors. For example, our BNC plug bodies are machined from brass and then plated with bright nickel. Other inferior brands have cheaper die cast bodies.

The BNC connector body also incorporates a beryllium copper wave washer to allow it to flex during mating and provide uninterrupted continuity of the shield signal. Teflon, the best dielectric, provides the proper 75 ohm impedance and securely hold the captive center pin. The MilesTek BNC center pins are plated with 30 micron inches of gold for maximum contact.

Pull strength is very important especially on smaller cables such as 735A. MilesTek BNC plugs have a diamond knurling for maximum cable retention. Having tested thousands of cable assemblies, MilesTek BNC's recorded a pull test performance of 49.3 inch lbs. on 735A cable.

KEY	PART #	DESCRIPTION	CABLE TYPE
75 Ω CONNECTORS			
A	10 03003 205	Mini BNC Crimp Plug (New Product)	735A
B	10 03001 205	BNC Crimp Plug (Most Popular)	735A
B	10 03001 205 BP	BNC Crimp Plug (100 pk)	735A
C	10 03002 205	Right Angle BNC Crimp Plug	735A
D	10 03901 205	BNC Crimp Jack	735A
	10 03001 204	BNC Crimp Plug	734A
	10 03002 204	Right Angle BNC Crimp Plug	734A
	10 03003 204	Mini BNC Crimp Plug	734A
	10 03901 204	BNC Crimp Jack	734A
75 Ω MINI SMB CONNECTORS			
	10 33001 205	Mini SMB Crimp Plug	735A
	10 33002 205	Right Angle Mini SMB Plug	735A
75 Ω MINI WECO 440A CONNECTORS			
	10 44001 205	Mini Weco 440A Solder Plug	735A
	10 44005 205	Mini Weco 440A Solder Plug with locking tabs	735A
75 Ω SPLICE CONNECTORS			
	10 03204 205	Splice Connector (New Product)	734A/735A
	10 03205 205	Splice Connector (New Product)	735A/735A
	10 03204 204	Splice Connector (New Product)	734A/734A
75 Ω TNC CONNECTORS			
	10 05001 205	TNC Crimp Plug	735A

Note: *Our 40-50176 is a complete tool kit designed to work with MilesTek DS3 Connectors



SAMPLES AVAILABLE!
Contact MilesTek Today.
800-524-7444



BULK CABLE



KEY	PART #	DESCRIPTION (SOLD PER FT.)
A	735A F	Coax Cable 75 Ω, 26 AWG Silver Coated Copper Single Strand PVC
B	735A6 F	Coax Cable 75 Ω, 26 AWG Silver Coated Copper Six Strand PVC
C	735A12 F	Coax Cable 75 Ω, 26 AWG Silver Coated Copper Twelve Strand PVC
D	735T2C	Dual Cable Coax Cable 75 Ω, 26 AWG Silver Coated Copper Dual Strand with Tracer PVC
	73502	Dual Cable Coax Cable 75 Ω, 26 AWG Silver Coated Copper Dual Strand no Tracer PVC
	734A	Coax Cable 75 Ω, 20 AWG Bare Copper Single Strand PVC
	30 60013 WHITE	CAT6 Cable 23 AWG 4 pair PVC 1000 ft.
	30 50013 BLUE	CAT5E Cable 24 AWG 4 pair PVC 1000 ft.
	Quabbin 9720R	T1 Cable 22 AWG 100 Ω PVC 1000 ft.

MilesTek stocks a wide variety of bulk cable types. The cable featured above represents the most common used in DS3 Central Office applications. **Please contact MilesTek for additional cable types.**

Tech Note: Run lengths vary in the central office. The appropriate coax cable needs to be considered so attenuation limits are not exceeded. 734 type cable is usually capable of lengths up to 450 feet, whereas 735 type cable is capable of lengths up to 225 feet.

TOOLING

The MilesTek Advantage includes the entire tooling requirement for the correct installation of our connectors. The 40-50176 is a complete tool kit designed to work with MilesTek DS3 connectors. Our kit employs a ½ inch die set that completes the crimp on the sleeve and it also contains a 12 point pin crimp tool for the center pin. Several other tools make up the kit to assist in the installation of our connectors.

DS3 TELCO Termination Kit

- Crimper with ½" die
- 75 Ω pin crimper 12 pt.
- Extra stripper cassette
- Round cable cutter
- Center conductor trimmer
- Precision knife
- 4 ½" flush cutter
- Case
- Straight probe
- Cable stripper



PART #
40 50176

**NEED TOOLING
WITH YOUR CONNECTORS?**
Place an order today for
500 pieces or more and get
\$100 off tool kit 40 50176



KEY	PART #	DESCRIPTION
E	40 13204	Connector Sleeve Crimp Tool
F	40 15005	12 point Center Pin Crimp Tool
G	40 11209	Strip Tool
H	40 11210	Extra Blade for Strip Tool
I	40 14006	BNC Removal Tool 8 inch
J	40 40001	Round Cable Cutter
K	40 15001	Center Conductor Trimmer
L	40 40038	4½" Angled Flush Cutter

CUSTOM CABLE ASSEMBLIES

MilesTek can provide DS3 cable assemblies using many different connector types. Our cable assemblies are built by industry professionals and are 100% tested and guaranteed to perform. We try to keep lead times to 24-48 hours for normal occurrences and offer same day shipping in critical requirements.

PART #	ASSEMBLY DESCRIPTION
201 301 3070 xxx	BNC Plug to BNC Plug 735A cable
201 301 6070 xxx	BNC Plug to R/A BNC Plug 735A cable
201 302 7070 xxx	BNC Plug to Mini WECO 440A Plug 735A cable
201 301 3077 xxx	BNC Plug to BNC Plug - 6 strand cable 735A
201 301 6077 xxx	BNC Plug to R/A BNC Plug - 6 strand cable 735A
201 301 3078 xxx	BNC Plug to BNC Plug - 12 strand cable 735A
201 301 6078 xxx	BNC Plug to R/A BNC Plug - 12 strand cable 735A
201 301 3069 xxx	BNC Plug to BNC Plug 734A cable
TP 1015 xxx	BNC Plug to SMB plug 735A cable
CP 1132 xxx	Mini BNC Plug to BNC Plug 735A cable
TP 1057 xxx	Mini BNC Plug to Mini BNC Plug - 12 strand cable 735A

Replace the xxx with the needed length in inches. Example: TP 1015 36 = 3 ft.

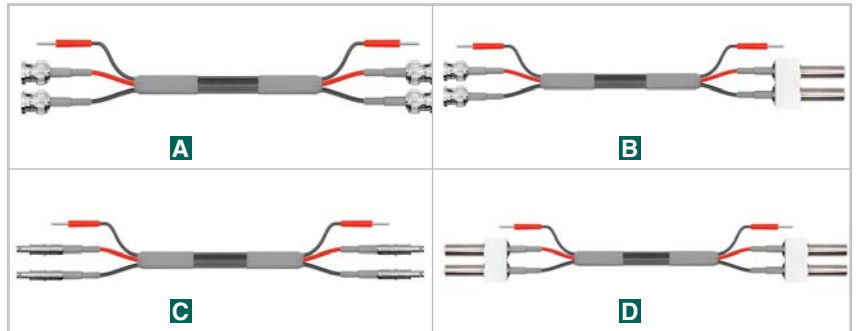
Our in-house design engineering staff has the experience to custom design your cables, revise your current designs to optimize cost effective manufacturing or simply build to your prints. All with shorter lead times than our competition. Our manufacturing facility in Denton, Texas, is staffed by highly-skilled technicians dedicated to producing quality products and delivering them on-time to meet your deadlines.



Do you need custom length cable assemblies?
Contact Us Today! 800-524-7444

DS3 PATCH CORDS

KEY	PART #	DESCRIPTION
A	TC D500T xxx	Dual BNC to Dual BNC 735A w/Tracer
B	TC D552T xxx	Dual BNC to Dual 440D 735A w/Tracer
C	TC DLCCT xxx	Dual LCC to Dual LCC 735A w/Tracer
D	TC D452T xxx	Dual 440D to Dual 735A 440D w/Tracer
E	TC 440A xxx	440A to 440A 735A
F	TC 500 xxx	BNC to BNC 735A
G	TC 540 xxx	BNC to 440A 735A
H	TC 200 xxx	Bantam to Bantam
I	TC 250 xxx	Dual Bantam to Dual Bantam



Replace the xxx with the needed length in inches. Example: TC D500T 36 = 3 ft.



SINGLE MODE FIBER OPTIC PATCH CORDS

MilesTek offers “off the shelf” fiber optic patch cords. We can also custom build fiber assemblies based on your application. Bulk fiber is available by request.



ST/ST DUPLEX		ST/SC DUPLEX		SC/SC DUPLEX		LC/LC DUPLEX		LC/ST DUPLEX	
PART #	SIZE	PART #	SIZE	PART #	SIZE	PART #	SIZE	PART #	SIZE
27 210 001	1M	27 510 001	1M	27 310 001	1M	27 255 001	1M	27 265 001	1M
27 210 002	2M	27 510 002	2M	27 310 002	2M	27 255 002	2M	27 265 002	2M
27 210 003	3M	27 510 003	3M	27 310 003	3M	27 255 003	3M	27 265 003	3M
27 210 005	5M	27 510 005	5M	27 310 005	5M	27 255 005	5M	27 265 005	5M

DS3 ADAPTERS

The BNC Adapters are offered in a 75 Ω version. The 75 Ω type will operate with a digital DS3 signal transmission. Digital signals in the telecommunications industry have necessitated the usage of 75Ω connectors with 75Ω cable. Mismatched adapters cause attenuation of the digital signal resulting in slower rise time of square waves. This distortion of the signal can cause transmission errors. Also, impedance mismatched connections cause reflections of the signal returning to the source known as return loss. Perhaps one

mismatched connection will not have a noticeable effect on system performance, but multiple mismatched connections in the link between the source and destination have a cumulative effect causing possible distortion of the transmitted signal.

KEY	PART #	DESCRIPTION
A	10 03538	BNC Bulkhead Insulated Feed-thru Jack, .505" D hole
B	10 03900	BNC Jack-Jack Adapter
C	10 03908	Right Angle BNC Adapter
D	10 01002	Weco Plug to BNC Jack Adapter
E	10 01066	Mini Weco Plug to BNC Jack Adapter
F	10 03904	BNC "T" Adapter
G	10 27023	Solder Tip Plug
H	10 27046	Solderless Tip Plug



DS3 TEST KITS

Connect All Kit - Part # 50 290467

This popular kit combines the most widely used components for both the DS1 and DS3 testing, all in one convenient and affordable package!



KIT CONTAINS	
2-BAN-BAN-Red	4-BNC-440 adapter
2-BAN-BAN-Blue	1-BNC-BNC-Red
1-BAN-Y LHTCAB-Red	1-BNC-BNC-Blue
1-BAN-Y LHTCAB-Blue	4-BNC Coupler
1-RJ45-Y-BAN	1-Power Cord
1-Tel-Line Tester	1-Banjo
2-310 Blue TAD Adapter	1-Flashlight
2-310 Red TAD Adapter	1-Screwdriver
2-BNC-358 Adapter	1-Pliers Plus

Universal DS3 Kit - Part # 50 290041

Now you can stop carrying six test cords in a heap and have all test cord configurations at your fingertips! It's a snap with MilesTek's Universal DSX-3 Test Cord Kit. A durable nylon carrying case which contains both transmit and receive cords and all the plug ends needed.



KIT CONTAINS
1-BNC-BNC Red 8ft
1-BNC-BNC Blue 8ft
4-BNC-440 Adapter
4-BNC-358 Adapter



50 70101

19" WIDE RACKS

MilesTek offers racks, panels, and accessories for the central office installer. Our racks and accessories are available in either 19" or 23" widths. Made from either Steel or Aluminum our high quality products and quick turnaround time make MilesTek the perfect choice to complete your project.

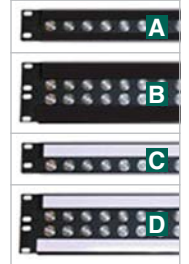
PART #	DESCRIPTION
50-70101	19" Aluminum Rack - 2 Post
50-70304	19" Black Alum Rack - 2 Post
50-70121	19" Center Mount Shelf - 17.5" Deep
50-70120	19" Cantilever Shelf - 17.5" Deep
50-70432	19" 9 Outlet Power Strip 15A
50-99004	12/24 Screws 100 pack

Note: MilesTek also offers a full line of 23" racks and shelves.

PANEL ASSEMBLIES

MilesTek BNC Distribution Panels have .505" diameter "D" holes to mount bulkhead isolated jacks. The black steel panels are 16 AWG thick, painted black, and have rolled edges for rigidity. Jacks in the distribution panels are the 10-03538 75 Ω DS3 bulkhead. Panels are available in 19" width and 1 or 2 rack spaces. White designation strips are optional.

KEY	PART #	DESCRIPTION
A	50 21025	19" BSP 1 x 16 - 75 Ω Jacks
C	50 21029	19" BSPD 1 x 16 - 75 Ω Jacks
B	50 21017	19" BSP 2 x 12 - 75 Ω Jacks
D	50 21020	19" BSPD 2 x 12 - 75 Ω Jacks
B	50 21009	19" BSP 2 x 16 - 75 Ω Jacks
D	50 21014	19" BSPD 2 x 16 - 75 Ω Jacks



Note: Other configurations available.

CROSS REFERENCE TABLE

MILESTEK PART#	DESCRIPTION	CABLE TYPE	TROMPETER PART#	ADC PART#	KINGS PART#
10-03003-205	Mini BNC Plug	735	UPL250-026	—	—
10-03001-205	BNC Plug	735	UPL220-026	BNC-3-N	2025-44-9
10-03001-205 BP	BNC Plug-100 pk.	735	UPL220-026/T50	BNC-3B-N	—
10-03002-205	Right Angle BNC Plug	735	UPLR220-026	BNC-RA-3	2026-17-9
10-03901-205	BNC Jack	735	UCJ220-026	—	—
10-03003-204	Mini BNC Plug	734	UPL250-025	—	—
10-03001-204	BNC Plug	734	UPL220-025	BNC-1-N	2025-76-9
10-03002-204	Right Angle BNC Plug	734	UPLR220-025	BNC-RA-1	2026-16-9
10-03901-204	BNC jack	734	UCJ220-025	—	—
10-03001-217	BNC Plug	YR23023	UPL220-009	BNC-7	—
10-03001-217 BP	BNC Plug-100 pk.	YR23023	UPL220-009	BNC-7B	—
10-05001-205	TNC Plug	735	UPL240-026	—	—
10-33001-205	Mini SMB Plug	735	—	—	—
10-33002-205	Right Angle Mini SMB Type	735	—	—	—
10-03205-205	Splice connector 735/735	735	UCCS-026-026	—	3050-11-9
10-03204-205	Splice connector 734/735	734/735	UCCS-025-026	—	3050-10-9
10-03204-204	Splice connector 734/734	734	UCCS-025-025	—	3050-12-9
10-44001-205	Mini Weco 440A Plug	735	PL11C-026	—	7410-9
10-44005-205	Mini Weco 440A Plug w/tab	735	PL11C-026LT	—	—
10-03538	BNC Bulkhead Jack-Jack Insulated	—	UBJ28	BHFT1	2029-9-9
10 03900	BNC Jack-Jack Adapter	—	UAD28	BNC-STRT-ADPT	2029-15-9
10-03908	Right Angle BNC Jack-Plug Adapter	—	UADRMF220	BNC-RA-ADP	2029-20-9
10-03904	BNC "T" Adapter	—	UBN23	—	2029-16-9
10-01002	WECO Plug to BNC Jack Adapter	—	AD1W	—	—
10-01066	Mini WECO 440A to BNC Jack Adapter	—	ADMW12	—	—

MilesTek®

1506 Interstate 35W
Denton, TX 76207-2402

Order from MilesTek today

800-524-7444 • milestek.com/DS3

ISO 9001:2008 certified,
small business concern
TL9000 - coming soon

DS3 Central Office Solutions

Your Source for Connectors, Tools, Bulk Cable, Cable Assemblies and Racks!

MILESTEK STOCKS QUALITY COMPONENTS FROM TRUSTED MANUFACTURERS SUCH AS:

Trompeter Electronics (Emerson) Judd Wire
Cooper B-Line Amphenol Commscope
Corning Fiber Middle Atlantic Belden

COMMON ASSEMBLY TYPES:

COAXIAL	CATEGORY	FIBER OPTIC
735A	CAT5E	Single Mode
735T2	CAT6	Multi-Mode 50µm
734A	CAT6A	Multi-Mode 62.5µm
RG59	T1	10G Fiber

COMING SOON - MILESTEK DS3 SPLICE



The DS3 splice connector was designed to ease and assist the connection of two different size cables in the same wire-line cable run. It can also be used to connect a cable run that has been cut or broken, and/or for extending the cable run. Available for 735A and 734A, the tooling and installation of the splice connectors work the same as our MilesTek DS3 crimp connectors.

MILESTEK DS3 TRAINING AVAILABLE

MilesTek has been a manufacturer for the DS3 market for over 25 years. We offer superior customer service along with stock of our MilesTek connectors, tooling and accessories. To assist with MilesTek's DS3 high quality of connectors and customer service; we are proud to introduce our BNC training course.

Our DS3 BNC connector training course is intended to teach the fundamentals of terminating cable assemblies. The course will outline the features of our BNC design and tooling. It also provides the installer step by step instructions for a dependable installation.

We can customize each training session to meet with your company's application to make certain your installers are provided with the knowledge of cable impedance matching, cable preparation procedures and the ability to choose the proper tools for each job.

At the completion of the course each installer will be provided training materials and a certificate of completion.

NEW DS3 CENTRAL OFFICE WEBSITE

- View full line of DS3 products
- Specs and technical information
- Online ordering www.milestek.com/DS3



The screenshot shows the MilesTek website for DS3 Central Office Solutions. It features a navigation menu on the left with categories like Wire Cables, Connectors, Adapters, Tools, Assemblies, Bulk Cable, Panel Assembly, Racks & Shelves, and AV & Networking. The main content area highlights the MilesTek DS3 Advantage, stating that MilesTek is a leading supplier for the DS3 Central Office connectivity products. It also mentions that MilesTek BNC bodies are machined from original brass in accordance with MIL-C-39012 and their plated with bright nickel. A 'New' badge is visible next to the 'DS3 Mini BNC For 735A Coax' product, which is noted as 'In Stock, Ready to Ship!'. The footer lists various distributors and partners.

for 500 pieces or more
and get a free tool kit