

# ES-TECH INTERNATIONAL SOLUTION

CONNECTING THE POWERED LIFE



## Coaxial Cable Solution

ES-TECH International is a technology company specialized in providing solutions for communication & Infrastructure.

Delivering proactive and proven solutions and services that help networks around the world. ES-TECH International provides solutions for broadcasting, broadband, network power and cables, especially optical/coaxial cable and comprehensive power solutions.

To keep pace with rapid changing market, ES-TECH International is expanding structured cable system/intelligence building system and network solution field by continuously developing new products through aggressive investment for R&D.

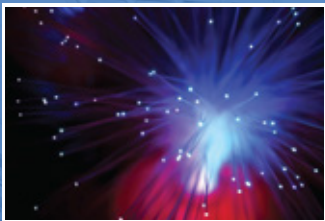
At the same time, ES-TECH International is developing new items by cooperating with Global Corporation, as well as developing its own brand to expand overseas market.

ES-TECH International will be always with you with state of the art solution which is your way to happiness.

# Introduction of Business

## ES-TECH International Solutions

ES-TECH International is a technology company specialized in providing solutions for communication & Infrastructure. Delivering proactive and proven solutions and services that help networks around the world, ES-TECH International provides solutions for broadcasting, broadband, network power and cables, especially optical/coaxial cable and comprehensive power solutions.



### Fiber Optics

- Distribution Cable
- Breakout Cable
- Simplex and Duplex
- Drop Cable
- Multi Loose Tube Cable
- Adss Cable
- Ribbon Cable



### Broadcasting

- AV Cabling Solution
- SMPTE Camera Solution
- AV Patching Solution



### Networking

- IBDN cabling solution
- HFC Network solution
- Network Consulting



### Cables

- Coax Cable
- UTP Cable
- Coaxial Connector



### Power Supply

- Square Wave UPS/PS
- Sine Wave UPS/PS
- Rack UPS
- APD
- STS
- AVR



### Broadband

- FTTX Infra Structured
- FTTH Solution
- Device & Equipment



### Telco

- DATA Center
- Core Networks
- Mobile Networks
- Microwave Technology





## Growing together with creative company culture.

Amid the fast pace change in the management business environment, ES-TECH International is embarking on a new journey toward sustainable growth for creation of the customer values.

ES-TECH international is a technology company specialized in providing solutions for communication & Infrastructure.

Delivering proactive and proven solutions and services that help networks around the world, ES-TECH international provides solutions for broadcasting, broadband, network power and cables, especially optical/coaxial cable and comprehensive power solutions.

To keep pace with rapid changing market, ES-TECH international is expanding structured cable system/intelligence building system and network solution field by continuously developing new products through aggressive investment for R&D.

Also developing new items by cooperating with Global Corporation, at the same time developing our own brand to expand overseas market.

ES-TECH international will be always with you with state of the art solution which is your way to happiness.



**ESTECH**  
INTERNATIONAL



# Company History

The below is the footprint of ES-TECH international



Company Scene



Cable Factory



Power Supply Factory



R&D Center

## 2018

Nominated as Promising Small-Medium Enterprises for Export by 'Ministry of SMEs and Startups'  
Opening of an Office in New Delhi, India – Export Incubator

## 2017

Certification of "World-class product" from Ministry of Industry and Trade on Uninterruptible Power Supply for communication.  
Nominated as a Military Service Designated Company (Industry) by Military Manpower Administrations.

## 2016

Certification of Youth-friendly 'Small Hidden Champion'  
Certification of Gyeong-gi Province Job Recognition Excellent Company.  
Completion of new head office construction in Suwon Industrial Complex.  
Nominated as a Gyeong-gi Province Women Employment Excellent Company.

## 2015

Expand further for fiber optic cable / Launched ESCABLE brand  
Verification of greenhouse gas inventory. (carbon management system ISO14064)

## 2014

Selected the best company to work for by SMBA  
(Small and Medium Business Administration)

## 2013

Selected promising small & medium business by Gyeonggi-Do Provincial Government  
Submitted a new design for practical use to KIPO (Korean Intellectual Property Office)  
Submitted design patent of 'Hole kit' for communication cable distributor to KIPO (Korean Intellectual Property Office)

## 2012

Selected best small & medium business to work for  
Selected as 'a venture business' by small & medium business administration.  
Awarded design award by Gyeonggi province governor.

## 2010

Developed STS  
Developed ground mount enclosure  
Achieved the patent of 'dual power distribution equipment'.  
Achieved the patent for rack type server system power distribution equipment

## 2008

Developed CATV line UPS of SUN & MOON series.  
Developed small sized power supply for apartment building.  
Obtained 'annex research institute certification' by KOITA  
Obtained 'Innobiz certification' by small & medium business administration.

## 2007

Obtained 'small & medium size business certification' by administration  
Obtained ISO 9001:2000 certifications

## 2005

Converted to corporation (ES-TECH international Inc.)  
Developed APT (Auto Power Distributor)

## 2004

Developed CATV line UPS

## 2002

ES TECH NOLOGY was founded



Fiber Optics



Power



Broadcasting



Broadband



Networking



Telco



Cable

High Quality Total  
Communication Solutions

E S - T E C H I N T E R N A T I O N A L



# UNISHARE CONNECTORS

## CONTENTS

01	Index
04	Unishare Connectors
	– mini RG59 Series Connectors
	– RG59 Series Connectors
	– RG6 Series Connectors
	– RG11 Series Connectors
	– 500 Series Trunk Connectors

E S - T E C H C O A X I A L C O N N E C T O R S

# UNCN-M059AS-MX

MINI RG59 COAXIAL CONNECTOR

MCX-TYPE CONNECTOR

## FEATURES

75ohm mini Series 59 Universal Design, Nickel-Tin Plating  
Standard & Quad-shield Connector  
(0.163" ~ 0.202" Cable Preparation using)  
Industry Standard Preparation Tools



UNCN-M059AS-MX

## Ordering Info

Part no	Post Inner dia	Body Inner dia	Inner pack	Outer pack
UNCN-M059AS-MX	2.55mm	4.32mm	50pcs	1,000pcs
UNCN-M059AQ-MX	2.55mm	5.31mm	50pcs	1,000pcs

## Electrical Specifications

Nominal Impedance	75Ω(nominal)
DC Contact Resistance	<15mΩ(outer conductor) <75mΩ(inner conductor)
Return Loss	>25dB @5~1000MHz,
Insertion Loss	<0.2dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	0.9~2.1kgf
Insertion Force	>6.44kgf
Vibration	>25dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃~+85℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >25dB to 1GHz
UV Degradation	1000 Hours Exposure



# UNCN-M059AS-CP

MINI RG59 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

### FEATURES

75ohm mini Series 59 Universal Design, Nickel-Tin Plating  
Standard & Quad-shield Connector  
(0.163" ~ 0.202" Cable Preparation using)  
Industry Standard Preparation Tools



UNCN-M059AS-CP

### Ordering Info

Part no	Post Inner dia	Body Inner dia	Inner pack	Outer pack
UNCN-M059AS-CP	2.55mm	4.32mm	50pcs	1,000pcs
UNCN-M059AQ-CP	2.55mm	5.31mm	50pcs	1,000pcs

### Electrical Specifications

Nominal Impedance	75Ω(nominal)
DC Contact Resistance	<10mΩ(outer conductor) <10mΩ(inner conductor)
Return Loss	>26dB @5~1000MHz,
Insertion Loss	<0.2dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	13.6kgf
Insertion Force	-
Vibration	>26dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃~+70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >26dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-M059BS-CP

MINI RG59 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

## FEATURES

75ohm mini Series 59 Universal Design, Nickel-Tin Plating  
Standard & Quad-shield Connector  
(0.163" ~ 0.202" Cable Preparation using)  
Industry Standard Preparation Tools



UNCN-M059BS-CP

## Ordering Info

Part no	Post Inner dia	Body Inner dia	Inner pack	Outer pack
UNCN-M059BS-CP	2.55mm	4.32mm	50pcs	1,000pcs
UNCN-M059BQ-CP	2.55mm	5.31mm	50pcs	1,000pcs

## Electrical Specifications

Nominal Impedance	75Ω(nominal)
DC Contact Resistance	<10mΩ(outer conductor) <10mΩ(inner conductor)
Return Loss	>26dB @5~1000MHz,
Insertion Loss	<0.2dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	13.6kgf
Insertion Force	-
Vibration	>26dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃~+70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >26dB to 1GHz
UV Degradation	1000 Hours Exposure



# UNCN-M059CS-CP

MINI RG59 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

## FEATURES

75ohm mini Series 59 Universal Design, Nickel-Tin Plating  
Standard & Quad-shield Connector  
(0.163" ~ 0.202" Cable Preparation using)  
Industry Standard Preparation Tools



UNCN-M059CS-CP

## Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-M059CS-CP	2.55mm	4.32mm	White	50pcs	1,000pcs
UNCN-M059CQ-CP	2.55mm	5.31mm	White	50pcs	1,000pcs

## Electrical Specifications

Nominal Impedance	75Ω(nominal)
DC Contact Resistance	<10mΩ(outer conductor) <10mΩ(inner conductor)
Return Loss	>26dB @5~1000MHz,
Insertion Loss	<0.2dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	13.6kgf
Insertion Force	-
Vibration	>26dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃~+70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >26dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-059AS-CP

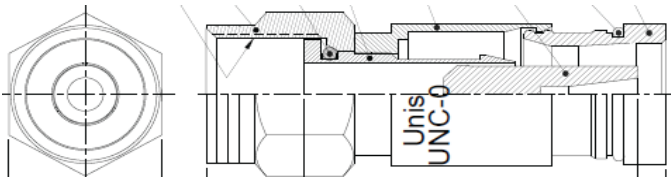
RG59 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

### FEATURES

- 7-screw thread prevents maintenance from loose connections
- Pre-positioned cap to align incoming conductor straight.
- Ideal compression force
- Detachable sleeve for non-standard cables
- Installation requires one-step 0.24" ~ 0.265" cable preparation and universal compression tools used for all 59 & 6 series
- Incorporates a NiTin finish plus UV resistant plastic and O-rings to provide a reliable, environmentally sealed product.



UNCN-059AS-CP



### Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-059AS-CP	3.99mm	6.30mm	White	50pcs	1,000pcs
UNCN-059AT-CP	3.99mm	6.40mm	White	50pcs	1,000pcs
UNCN-059AQ-CP	3.99mm	6.93mm	White	50pcs	1,000pcs
UNCN-059AQ-CH	3.99mm	6.93mm	White	50pcs	1,000pcs

### Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10m (outer conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.1dB(to 350MHz) <0.2dB(to 700MHz) <0.3dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<70dB to 300MHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	>18.14kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃~+70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-006AS-CP

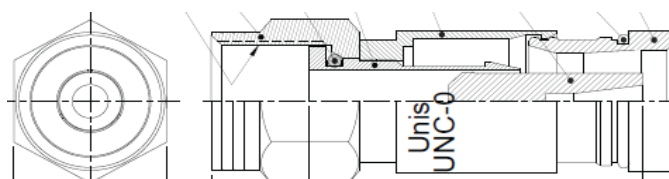
**RG6 COAXIAL CONNECTOR**  
**F-TYPE COMPRESSION CONNECTOR**



UNCN-006AS-CP

## FEATURES

- 8-screw thread prevents maintenance from loose connections
- Pre-positioned cap to align incoming conductor straight.
- Ideal compression force
- Installation requires one-step 0.273" ~ 0.297" cable preparation and universal compression tools used for all 59 & 6 series
- Incorporates a NiTin finish plus UV resistant plastic and O-rings to provide a reliable, environmentally sealed product.



## Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-006AS-CP	4.91mm	7.13mm	Blue	50pcs	1,000pcs
UNCN-006AT-CP	4.91mm	7.26mm	Blue	50pcs	1,000pcs
UNCN-006AQ-CP	4.91mm	7.74mm	Blue	50pcs	1,000pcs

## Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	>18.14kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure



# UNCN-006BS-CP

RG6 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

## FEATURES

One-piece compression design, eliminates lost or mismatched components.  
Provides 360-degrees contact to the cable and excellent RF shielding integrity, complete seal to the cable jacket to lock out moisture. Moisture-proof through durability design and implementation of UV ozone-resistant EPDM o-rings



UNCN-006BS-CP

## Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-006BS-CP	4.91mm	7.13mm	Black	50pcs	1,000pcs
UNCN-006BT-CP	4.91mm	7.26mm	Black	50pcs	1,000pcs
UNCN-006BQ-CP	4.91mm	7.74mm	Black	50pcs	1,000pcs

## Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	>18.14kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-006CS-CP

## RG6 COAXIAL CONNECTOR F-TYPE COMPRESSION CONNECTOR

### FEATURES

One-piece compression design, eliminates lost or mismatched components.  
Provides 360-degrees contact to the cable, providing excellent RF shielding integrity, complete seal to the cable jacket to lock out moisture. Moisture-proof through durability design and implementation of UV ozone-resistant EPDM o-rings



UNCN-006CS-CP

### Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-006CS-CP	4.91mm	7.13mm	Green	50pcs	1,000pcs
UNCN-006CT-CP	4.91mm	7.26mm	Green	50pcs	1,000pcs
UNCN-006CQ-CP	4.91mm	7.74mm	Green	50pcs	1,000pcs

### Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	>18.14kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-006DS-CP

RG6 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

## FEATURES

A thermoplastic polymer collar designed to meet SCTE performance requirements. Use the same proven 360 ° compression design and installation procedures. Quad-seal system prevents moisture migration. Installation requires one-step 0.275"~0.297" cable preparation and recommended compression tool used for all 59 & 6 series. To simplify installation and reduce assembly time, the pre-positioned sleeve can be detached from the connector body



UNCN-006DS-CP

## Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-006DS-CP	4.91mm	7.13mm	Blue	50pcs	1,000pcs
UNCN-006DT-CP	4.91mm	7.26mm	Blue	50pcs	1,000pcs
UNCN-006DQ-CP	4.91mm	7.74mm	Blue	50pcs	1,000pcs

## Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB(to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	>18.14kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure



# UNCN-011AS-CP

RG11 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR

## FEATURES

8-screw thread prevents maintenance from loose connections  
Pre-positioned cap to align incoming conductor straight.  
Ideal compression force  
Installation requires one-step 0.400"~0.407" cable preparation and universal compression tools used for all 11 series  
Incorporates a NiTin finish plus UV resistant plastic and O-rings to provide a reliable, environmentally sealed product.



UNCN-011AS-CP

## Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-011AS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011BS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011CS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011AS-IN	7.47mm	10.59mm	Black	50pcs	1,000pcs
UNCN-011AS-PI	7.47mm	10.59mm	-	30pcs	120pcs

## Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB (to 1GHz)
Insulation Resistance	>1,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	>61.3kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

## UNCN-011BS-CP

RG11 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR



UNCN-011BS-CP

## UNCN-011CS-CP

RG11 COAXIAL CONNECTOR  
F-TYPE COMPRESSION CONNECTOR



UNCN-011CS-CP

### FEATURES

One-piece compression design, eliminates lost or mismatched components. Provides 360-degrees contact to the cable and excellent RF shielding integrity, complete seal to the cable jacket to lock out moisture.  
Moisture-proof through durability design and implementation of UV ozone-resistant EPDM o-rings

### Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-011AS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011BS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011CS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011AS-IN	7.47mm	10.59mm	Black	50pcs	1,000pcs
UNCN-011AS-PI	7.47mm	10.59mm	-	30pcs	120pcs

### Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>25dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB (to 1GHz)
Insulation Resistance	>1,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	>61.3kgf
Insertion Force	>9.02kgf
Vibration	>25dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >25dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-011AS-IN

RG11 COAXIAL CONNECTOR

F-TYPE CONNECTOR

## FEATURES

8-screw thread prevents maintenance from loose connections  
Pre-positioned cap to align incoming conductor straight.  
Ideal compression force  
Installation requires one-step 0.400"~0.407" cable preparation and universal compression tools used for all 11 series  
Incorporates a NiTin finish plus UV resistant plastic and O-rings to provide a reliable, environmentally sealed product.



UNCN-320AS-IN

## Ordering Info

Part no	Center Cond.	Cable OD.	Inner pack	Outer pack
UNCN-011AS-CP	1.64mm	10.41mm	50pcs	1,000pcs
UNCN-011BS-CP	1.64mm	10.41mm	50pcs	1,000pcs
UNCN-011AS-IN	1.64mm	10.59mm	50pcs	1,000pcs
UNCN-011AS-PI	1.64mm	10.59mm	30pcs	120pcs

## Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.2dB (to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	>61.3kgf
Insertion Force	>9.02kgf
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure



# UNCN-011AS-PI

RG11 COAXIAL CONNECTOR  
THREE PIN TYPE CONNECTOR

### FEATURES

- 8-screw thread prevents maintenance from loose connections
- Pre-positioned cap to align incoming conductor straight.
- Ideal compression force
- Installation requires one-step 0.400"~0.407" cable preparation and universal compression tools used for all 11 series
- Incorporates a NiTin finish plus UV resistant plastic and O-rings to provide a reliable, environmentally sealed product.



UNCN-011AS-PI

### Ordering Info

Part no	Post Inner dia	Sleeve Inner dia	Sleeve color	Inner pack	Outer pack
UNCN-011AS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011BS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011CS-CP	7.47mm	10.41mm	Black	50pcs	1,000pcs
UNCN-011AS-IN	7.47mm	10.59mm	Black	50pcs	1,000pcs
UNCN-011AS-PI	7.47mm	10.59mm	-	30pcs	120pcs

### Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>25dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.2dB (to 1GHz)
Insulation Resistance	>5,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<95dB to 300MHz <70dB to 1GHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	>61.3kgf
Insertion Force	>9.02kgf
Vibration	>25dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >25dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-500AS-PI

500 SERIES COAXIAL CONNECTOR  
THREE PIN TYPE CONNECTOR

### FEATURES

5/8 – 24 3 piece pin type entry connector with auto seize technology for enhanced cable seizure. 0.072" pin and center conductor cutting guide are standard. Common hex size per connector with tapered back nut for consistent heat shrink application. Re-enterable and reusable; three piece design allows visual inspection of connector and cable during attachment.



UNCN-500AS-PI

### Ordering Info

Part no.	Center Cond.	Cable OD.	Inner pack	Outer pack
UNCN-500AS-PI	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-SP	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-EE	2.85mm	-	20pcs	80pcs
UNCN-500AS-TM	2.85mm	12.75mm	60pcs	240pcs

### Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.18dB (to 1GHz)
Insulation Resistance	>1,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<103dB up to 500MHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	>227kgf
Insertion Force	-
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days min Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-500AS-SP

## 500 SERIES COAXIAL CONNECTOR SPLICE TYPE CONNECTOR

### FEATURES

Connectors to join two identical cables together. Auto seize technology incorporated in both connector ends assures best possible connection.

Three piece design allows visual inspection of connector and cable during installation.

Common hex size per connector with tapered back nut for consistent heat shrink application. Connectors are re-enterable and reusable with integrated center conductor cutting guide.



UNCN-500AS-SP

### Ordering Info

Part no.	Center Cond.	Cable OD.	Inner pack	Outer pack
UNCN-500AS-PI	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-SP	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-EE	2.85mm	-	20pcs	80pcs
UNCN-500AS-TM	2.85mm	12.75mm	60pcs	240pcs

### Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.22dB (to 1GHz)
Insulation Resistance	>1,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<103dB up to 500MHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

### Mechanical Specifications

Axial Pull Force	-
Insertion Force	-
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

### Environmental Specifications

Temperature Cycling with Humidity	-40℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure



# UNCN-500AS-EE

500 SERIES COAXIAL CONNECTOR  
ENTRY TO ENTRY ADAPTOR TYPE CONNECTOR

## FEATURES

Cable networks today are constantly being challenged by the requirements of IP Telephony and High Speed Data, precision adapter product line exceeds these requirements through innovative design and exhaustive testing providing superior, transparent performance in any application. Housing to housing adaptors eliminate the need for jumpers and allow cascading of equipment.



UNCN-500AS-EE

## Ordering Info

Part no.	Center Cond.	Cable OD.	Inner pack	Outer pack
UNCN-500AS-PI	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-SP	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-EE	2.85mm	-	20pcs	80pcs
UNCN-500AS-TM	2.85mm	12.75mm	60pcs	240pcs

## Electrical Specifications

Impedance	75Ω±3
DC Contact Resistance	<10mΩ (outer conductor) <5mΩ (inner conductor)
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
Insertion Loss	<0.14dB (to 1GHz)
Insulation Resistance	>1,000MΩ/km at 100VDC
RFI Shielding Effectiveness	<101dB up to 500MHz
Dielectric Withstand	without breakdown(20℃) 1000VAC RMS for 1min

## Mechanical Specifications

Axial Pull Force	-
Insertion Force	-
Vibration	>30dB @5~1000MHz, 2feet (60cm Cable with connector)

## Environmental Specifications

Temperature Cycling with Humidity	-40℃~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days min Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

# UNCN-500AS-TM

500 SERIES COAXIAL CONNECTOR  
TERMINATOR TYPE CONNECTOR

### FEATURES

Designed for present and future two-way broadband RF networks using 60 volt, 90 volt, or greater power supplies  
Exceptional return loss performance throughout the RF spectrum from 5 MHz to 1 GHz

Corrosion resistant tin-plated brass body construction  
Reliable soldered connections for the prevention of intermodulation conditions



UNCN-500AS-TM

### Ordering Info

Part no.	Center Cond.	Cable OD.	Inner pack	Outer pack
UNCN-500AS-PI	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-SP	2.85mm	12.75mm	20pcs	80pcs
UNCN-500AS-EE	2.85mm	-	20pcs	80pcs
UNCN-500AS-TM	2.85mm	12.75mm	60pcs	240pcs

### Electrical Specifications

Impedance	75Ω±3
Return Loss	>30dB @5~1000MHz, 2feet (60cm Cable with connector)
RFI Shielding Effectiveness	<103dB (to 500MHz)

### Environmental Specifications

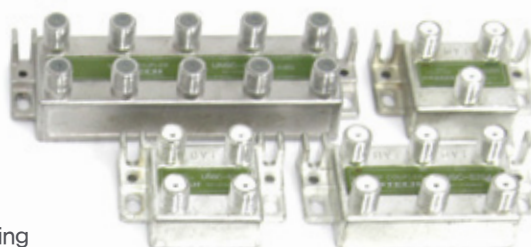
Temperature Cycling with Humidity	-28℃ ~ +70℃, 95%, 7Days
Moisture Migration	no penetrant present or evident
Salt Spray	14Days Return Loss >30dB to 1GHz
UV Degradation	1000 Hours Exposure

# Directional Coupler

UNSC-S201, UNSC-S202, UNSC-S204, UNSC-S208

## Features

- Utmost stable frequency at 54~2,150MHz
- Balanced splitting of MATV signal without a change of impedance
- Controllable 3dB-step tap loss from 8 ~ 20dB
- Powerpassing function at DC15V/0.5A
- Superior electromagnetic wave shield and durability with Al-Diecasting



## Dimension

Model Number	Size
UNSC-S201, UNSC-S202	53.6mm(W) X 37.5mm(D) X 18mm(H)
UNSC-S204	76mm(W) X 37.5mm(D) X 18mm(H)
UNSC-S208	120.4mm(W) X 37.5mm(D) X 18mm(H)

## Performance

Item		Unit	Standard									
Frequency		MHz	54 ~ 2,150(MATV:54~806, SMATV:950~2,150)									
Tap loss		dB	8		11		14		17		20	
			MA	SMA	MA	SMA	MA	SMA	MA	SMA	MA	SMA
Insertion loss	1	dB	≤2.5	≤4.5	≤2	≤3.5	≤1.5	≤3	≤1.3	≤2.7	≤1	≤2.5
	2	dB	≤5	≤6.5	≤2.7	≤5	≤4.5	≤3.5	≤2	≤3	≤1.5	≤2.7
	4	dB	—	—	—	—	≤2.5	≤7	≤3	≤4	≤2.5	≤3.2
	8	dB	—	—	—	—	≤5.5	≤10.5	≤4.5	≤6	≤3.5	≤5.5
Reverse isolation loss	1	dB	≥21	≥20	≥23	≥22	≥25	≥22	≥27	≥22	≥29	≥25
	2	dB	≥21	≥20	≥23	≥20	≥25	≥20	≥28	≥20	≥30	≥20
	4	dB	—	—	—	—	≥21	≥20	≥22	≥20	≥30	≥22
	8	dB	—	—	—	—	≥22	≥20	≥24	≥20	≥25	≥20
Mutual isolation	1	dB	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18
	2	dB	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18
	4	dB	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18
	8	dB	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18	≥20	≥18
Return loss	1	dB	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9
	2	dB	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9
	4	dB	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9
	8	dB	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9	≥10	≥9
Tap loss tolerance	1	dB	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5
	2	dB	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5
	4	dB	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5
	8	dB	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5	≤±1.5	≤±2.5
Frequency response	1	dB	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2
	2	dB	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2
	4	dB	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2
	8	dB	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	≤±2	≤±0.75	V±2



# Company Information

ES-TECH international is specialized in providing broadcasting, communication, electronic solutions.

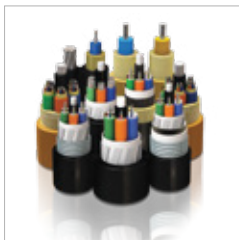
ES-TECH international specialized in providing communication and infrastructure solutions for better life of humans. ES-TECH international provides a variety of fiber optic solutions and industrial power supply solutions over worldwide wire and wireless communication markets.

To keep pace with rapid changing market, ES-TECH international is expanding structured cable system/intelligence building system and network solution field by continuously developing new products through aggressive investment for R&D.

Developing better products in cooperating with global corporations in order to offer customized solutions for customer satisfaction is our primary.  
ES-TECH international will be always with you with state of the art solution which is your way to happiness.



## Company Products



Fiber Optics Cable



Coaxial Cable



SUN UPS Series



Rack Mount UPS



PSM Series



Feeder Cable



Indoor Passive Equipments



Outdoor Passive Equipments



Connectors



Indoor Amplifier

High Quality Total Communication Solutions



Optical Devices



LAN Cable



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