



CONNECTORS & ADAPTERS

CONNECTORS		1
•	DRS / TRS Compression	1
•	Self-Locking "F" Connector	2
•	Tools	5
•	Hex Crimp - Universal	8
TERMIN	NATORS	10
•	Locking & Port	10
FILTERS		1 1
•	High Pass	11
BONDING BLOCKS		11
ADAPT	ERS	12
	Female to Female Splices	12



DRS / TRS COMPRESSION



PCT's patented DRS compression connector line is a technically advanced, installation-friendly solution to enhance the performance of digital, two-way broadband networks. Its unique compression technology offers two robust seals to prevent moisture penetration, and the weather-seal nut eliminates the need for "F" port seal rings, making installations simple, reliable and cost effective. When used in conjunction with a standard seal ring, the weather-seal nut adds a robust second layer of protection against moisture migration. PCT's advanced post design greatly reduces connector insertion force, making installation on all cable types a breeze, and the hex nut design ensures an easy-to-turn hex nut in all weather conditions. Several exterior plating materials are available to meet the needs of specific markets and/or protect against corrosion in even the harshest environments. The DRS compression connector line is available for Series 59, 6, 7, 11, and 320 QR coaxial cables. Special DRS fittings are also

PCT's TRS compression connector line incorporates the benefits of the DRS design with a new "universal" outer-body. This combination ensures flawless performance with a single connector for each cable Series. Unlike other manufacturers "universal" connectors, the TRS does not compromise



performance on either the smallest diameter cables (moisture sealing and cable retention), or the larger, quad-shield cables (insertion force). The TRS connector's shorter compressed length eases installation and allows for use in tight spaces. The TRS compression connector line is available for Series 59 and 6 cables, with special TRS fittings available for Head End and Plenum cables. The TRS 6 and 59 connectors can be used in conjunction with DRS connectors for Series 7, 11, and 320 QR cables.

FEATURES & BENEFITS

available for Head End and Plenum cables.

Patented dual 360° compression rings provide Dual o-rings provide complete weather-sealed protection without the enhanced cable retention, excellent shielding use of separate "F" port seal rings effectiveness and protection from moisture ingress Special o-ring cavity permits full metal-to-metal contact between "F" port and support mandrel as nut is tightened Standard cable preparation: 1/4 in. - 1/4 in. Visible indicators for proper One-piece, all brass construction compression activation

> Meets all SCTE specifications, including the IPS-T013 interface moisture migration test for all cable types, including messenger cable





SELF-LOCKING "F" CONNECTOR

Building upon PCT's field-proven DRS and TRS connector designs, our patented self-locking technology provides the ultra-premium connector that the industry needs to harden the drop.

Field knowledge and extensive testing confirm that "F" Connectors loosen over time. Even when properly wrench-tightened, exposure to vibration and temperature cycling will cause "F" connectors to loosen, increasing signal ingress, egress, and moisture migration.

Our innovative, self-locking technology will ensure that wrench or finger tightened connectors remain properly tightened to the F-female port regardless of vibration or temperature cycling.



FEATURES & BENEFITS

PCT's new patented locking connector has a locking feature integrated within the connector. The locking mechanism guarantees a secure, metal-to-metal quality connection between the F-male and F-female ports.

PCT's locking nut connector can be repeatedly re-fastened to the female port while still retaining its locking feature integrity.

To remove barriers to entry, PCT has integrated the self-locking feature so that it is compatible with many tools associated with other popular compression connectors, making re-tooling unnecessary in many situations.

In addition to the self-locking feature, these connectors also offer superior sealing protection through dual compression rings and dual o-rings. This assures the maximum pass rate on the SCTE IPS Moisture Migration test.

PCT's new patented locking connectors are available in both 59 & 6 Series, with both braid-specific and universal styles.

DRS / TRS COMPRESSION



SERIES 6 & 59



PART NO.	DESCRIPTION
PCT-DRS-6 (6Q, 59, 59Q)	 Cable types: Series 59 (60% thru trishield), 59Q (Quad) 6 (60% thru trishield), 6Q (Quad) One-piece, all-metal design Patented dual 360 degree compression rings Weather-sealed nut seals without separate port seals or thread protectors Industry standard 1/4 in 1/4 in. cable preparation Meets all SCTE and Bellcore specifications

SERIES 6 & 59 UNIVERSAL



PART NO.	DESCRIPTION
PCT-TRS-6 (59)	 Cable types: Series 59, 6 Accepts 60% thru quad shield cable One-piece, all-metal design Patented dual 360 degree compression rings Weather-sealed nut seals without separate port seals or thread protectors Industry standard 1/4 in 1/4 in. cable preparation Meets all SCTE and Bellcore specifications



SERIES 7 & 11 UNIVERSAL



PART NO.	DESCRIPTION
PCT-DRS-11 (7)	 Cable types: Series 7, 11 Accepts 60% thru quad shield cable One-piece, all-metal design Patented dual 360 degree compression rings Weather-sealed nut seals without separate port seals or thread protectors Pop-out center pin confirms proper center conductor contact 9/16 in. nut allows for use of security shields Industry standard 1/4 in 1/4 in. cable preparation Meets all SCTE and Bellegge specifications

SERIES 59 HEADEND



PART NO.	DESCRIPTION
PCT-DRSHE-59 PCT-TRSHE-59	Cable types: Series 59 Headend "F" style interface One-piece, all-metal design Excellent shielding protection Patented dual 360 degree compression rings Meets all SCTE and Bellcore specifications
	·

SERIES 6 & 59 PLENUM



PART NO.	DESCRIPTION
PCT-DRS-6P (59P) PCT-TRS-6P (59P)	Cable types: Series 59, 6 Plenum Cable Accepts 60% thru trishield Patented dual 360 degree compression rings
	 Unique design requires little force to install Industry standard 1/4 in. to 1/4 in. cable preparation Meets all SCTE and Bellcore specifications



DRS / TRS COMPRESSION

SERIES 320 QR



PART NO.	DESCRIPTION
PCT-DRS-320QR	Cable types: Series 320 QR One-piece, all-metal design Patented dual 360 degree compression rings Weather-sealed nut seals without separate port seals or thread protectors Meets all SCTF and Bellcore specifications



SERIES 6 & 59 IEC



PART NO.	DESCRIPTION
PCT-DRS-59-I-F (59IM, 6IF, 6IM, 59IQF, 59IQM, 6IQF, 6IQM)	 Cable types: Series 59 (60% thru trishield), 59Q (Quad), 6 (60% thru trishield), 6Q (Quad) IEC Interface, male and female One-piece, all-metal design Patented dual 360° compression rings Meets all SCTE and Bellcore specifications

SERIES 6 & 59 BNC



PART NO.	DESCRIPTION
AP-BNC-6 (59, 59HE)	 Cable types: Series 6 (60% thru Quad), 59 (60% thru Quad), 59 HEC (Head End Cable) One-piece, all-metal design Patented dual 360 degree compression rings Weather-sealed nut seals without separate port seals or thread protectors Meets all SCTE and Bellcore specifications



SERIES 6 & 59 RCA



PART NO.	DESCRIPTION
AP-RCA-6 (59, 59HE)	 Cable types: Series 6 (60% thru Quad), 59 (60% thru Quad), 59 HEC (Head End Cable) One-piece, all-metal design Patented dual 360 degree compression rings Weather-sealed nut seals without separate port seals or thread protectors Meets all SCTE and Bellcore specifications



COLOR CODE TABLE - SERIES DRS / TRS

PART NUMBER	CABLE TYPE	LABEL CO	DLOR
DRS PCT-DRS-6 PCT-DRS-6P PCT-DRS-6Q PCT-DRS-59 PCT-DRS-59Q PCT-DRS-59P	Series 6, 60% - Trishield Series 6, Plenum Cable Series 6, Quad Series 59, 60% - Trishield Series 59, Quad Series 59, Plenum Cable	Black White Violet Orange Green White	PCT PCT PCT PCT PCT
PCT-DRSHE-59	Series 59, Headend Cable	Yellow	PCT

PART NUMBER	CABLE TYPE	LABEL CO	_OR
TRS			
PCT-TRS-6	Series 6, 60% - Trishield	Blue	PCT
PCT-TRS-6P	Series 6, Plenum Cable	Magenta	PCT
PCT-TRS-59	Series 59. 60% - Trishield	Red	PCT
PCT-TRSHE-59	Series 59, Headend Cable	Yellow	PCT

TOOLS

POT

SERIES 6 & 59



PART NO.	DESCRIPTION	
PCT-DRS-CT	Cable types: Series 6 & 59	
	- For DRS Series connectors only	
	 Compact, pocket-size design 	
	 Enhanced leverage for easier activation 	
	 Flip latch secures connector assembly, provides 	
	perfect alignment	
	Greater durability for longer life	



PART NO.	DESCRIPTION	
PCT-DRS-CT-AS	 Cable types: Series 6, 7, 11, 59 & 320QR For DRS Series connectors only Compact, pocket-size design Enhanced leverage for easier activation Flip latch secures connector assembly, provides perfect alignment Greater durability for longer life 	



SERIES 6 & 59 UNIVERSAL



PART NO.	DESCRIPTION	
PCT-TRS-CT	 Cable types: Series 6 & 59 For TRS Series 6 & 59 connectors only Compact, pocket-size design Enhanced leverage for easier activation Flip latch secures connector assembly, provides perfect alignment Greater durability for longer life 	





PART NO.	DESCRIPTION	
PCT-TRS-CT-AS	 Cable types: Series 6, 7, 11, 59 & 320QR - For TRS Series 6 & 59, and DRS Series 7, 11 & 320QR connectors Compact, pocket-size design Enhanced leverage for easier activation Flip latch secures connector assembly, provides perfect alignment Greater durability for longer life 	



SERIES IEC



PART NO.	DESCRIPTION	
AP-CT-AS	 Compression tool for AP Series compression connectors Compact, pocket-size design Enhanced leverage for easier activation Flip latch secures connector assembly, provides perfect alignment Greater durability for longer life 	



CONNECTOR INSERTION TOOL



PART NO.	Used to help install a connector onto difficult cable Compact, pocket-size design with key ring slot Quad and tri-shield cable gauges Core gauge, max. diameter over jacket (SCTE) Connector insertion post	
PCT-IT		





DRS, TRS, & TOOLS

PART NO.	DESCRIPTION		
Series 6 & 59			
PCT-DRS-6	DRS Compression Connector, Series 6, 60% thru Trishield		
PCT-DRS-6L	DRS Compression Connector, Series 6, Locking, 60% thru Trishield		
PCT-DRS-6Q	DRS Compression Connector, Series 6, Quad		
PCT-DRS-6QL	DRS Compression Connector, Series 6, Locking, Quad		
PCT-DRS-6P	DRS Compression Connector, Series 6, Plenum		
PCT-DRS-59	DRS Compression Connector, Series 59, 60% thru Trishield		
PCT-DRS-59L	DRS Compression Connector, Series 59, Locking, 60% thru Trishield		
PCT-DRS-59P	DRS Compression Connector, Series 59, Plenum		
PCT-DRS-59Q	DRS Compression Connector, Series 59, Quad		
PCT-DRS-59QL	DRS Compression Connector, Series 59, Locking, Quad		
PCT-DRSHE-59L	DRS Compression Connector, Series 59, Locking, Head End		
Series 6 & 59 Universal			
PCT-TRS-6	TRS Compression Connector, Series 6, 60% thru Quad		
PCT-TRS-6L	TRS Compression Connector, Series 6, Locking, 60% thru Quad		
PCT-TRS-6P	TRS Compression Connector, Series 6, Plenum		
PCT-TRS-59	TRS Compression Connector, Series 59, 60% thru Quad		
PCT-TRS-59L	TRS Compression Connector, Series 59, Locking, 60% thru Quad		
PCT-TRS-59P	TRS Compression Connector, Series 59, Plenum		
PCT-TRSHE-59	TRS Compression Connector, Series 59, Headend		
PCT-TRSHE-59L	TRS Compression Connector, Series 59, Locking, Head End		
Series 7 & 11			
PCT-DRS-7	DRS Compression Connector, Series 7, 60% thru Quad		
PCT-DRS-11	DRS Compression Connector, Series 11, 60% thru Quad		
PCT-DRS-11L	DRS Compression Connector, Series 11, Locking, 60% thru Quad		
Series 59 Head-End	DD0.0		
PCT-DRSHE-59	DRS Compression Connector, Series 59, Headend		
0 : 000 00			
Series 320 QR	DDC Communication Communication Coming 2000 CD		
PCT-DRS-320QR	DRS Compression Connector, Series 320 QR		
IEC			
PCT-DRS-6-I-F	DRS Compression Connector, Series 6, 60% thru Trishield, IEC Female		
PCT-DRS-6-I-M	DRS Compression Connector, Series 6, 60% thru Trishield, IEC Male		
PCT-DRS-6-I-QF	DRS Compression Connector, Series 6, Quad, IEC Female		
PCT-DRS-6-I-QM	DRS Compression Connector, Series 6, Quad, IEC Male		
PCT-DRS-59-I-QF	DRS Compression Connector, Series 59, Quad, IEC Female		
PCT-DRS-59-I-QM	DRS Compression Connector, Series 59, Quad, IEC Male		
PCT-DRS-59-I-F	DRS Compression Connector, Series 59, 60% thru Trishield, IEC Female		
PCT-DRS-59-I-M	DRS Compression Connector, Series 59, 60% thru Trishield, IEC Male		
BOA			
AD DCA 6	TDC Compression Connector Series 6 600/ three Octad DCA Mela		
AP-RCA-6 AP-RCA-59	TRS Compression Connector, Series 6, 60% thru Quad, RCA Male		
	TRS Compression Connector, Series 59, 60% thru Quad, RCA Male		
AP-RCA-59HE	TRS Compression Connector, Series 59, HEC Cable, RCA Male		
BNC			
AP-BNC-6	TRS Compression Connector, Series 6, 60% thru Quad, BNC Male		
AP-BNC-59	TRS Compression Connector, Series 59, 60% thru Quad, BNC Male		
AP-BNC-59HE	TRS Compression Connector, Series 59, HEC Cable, BNC Male		















DRS, TRS, & TOOLS



ORDERING INFORMATION

PART NO.	DESCRIPTION
Tools	
PCT-DRS-CT	Compression Tool for DRS, Series 6 & 59
CAT-Universal-FX	Compression Tool for DRS, Series 6 & 59
8800-US	Compression Tool for DRS, Series 6 & 59
PCT-DRS-CT-AS	Compression Tool for DRS, Series 59, 6, 7, 11, 320 QR
PCT-TRS-CT	Compression Tool for TRS Universal, Series 6 & 59
CAT-EX	Compression Tool for TRS Universal, Series 6 & 59
CAT-AS-FX	Compression Tool for DRS, Series 59, 6, 7, 11, 320 QR
PCT-TRS-CT-AS	Compression Tool for TRS, Series 59, 6, 7, 11, 320 QR
CAT-IEC/F-FX	Compression Tool for DRS IEC, Series 6 & 59
AP-CT-AS	Compression Tool for AP Series Compression Connectors
	(AP-TRS, AP-RCA, AP-BNC)
PCT-IT	Connector Insertion Tool





SPECIFICATIONS

PARAMETER	SPECIFICATION	REQUIREMENT	DRS RESULTS
Cable Retention	SCTE IPS-TP-401	> 40 lbs. pull force	Pass ¹
Chemical Resistance	BLCR GR-1503-CORE 4.7	No cracking or swelling	Pass
Corrosion Resistance	BLCR GR-1503-CORE 3.2.1	1,000 hrs. salt spray	Pass
Dielectric Strength	BLCR GR-1503-CORE 3.5.2	1 kV AC for 1 minute	Pass
Equipment Interface	BLCR GR-1503-CORE 3.2.4	10 matings with 40 in./lbs. without damage	Pass
Insertion Loss	BLCR GR-1503-CORE 3.5.3	< 0.05 dB to 350 MHz, < 0.1 dB to 700 MHz, < 0.2 dB to 1 GHz	Pass
Installation Force	SCTE IPS-TP-004	< 20 lbs. maximum insertion	Pass
Loosening Torque	BLCR GR-1503-CORE 4.2	≥ 30 in./lbs. after temperature cycling	Pass
Moisture Migration	SCTE IPS-TP-013	No dye penetration after 5 days of temperature cycling	Pass ²
Ozone Degradation	BLCR GR-1503-CORE 4.1	70 hours exposure	Pass
Return Loss	SCTE IPS-TP-110	> 30 dB to 1 GHz	Pass
Salt Fog	BLCR - ASTM B 117	> 30 dB return loss to 1 GHz	Pass
Shielding Effectiveness	SCTE IPS-TP-403	> 100 dB to 300 MHz, > 90 dB to 1 GHz	Pass
Temperature Cycling with Humidity	BLCR GR-1503 4.1	> 40 lbs. pull force after temperature cycling	Pass
UV Degradation	BLCR GR-1503-CORE 4.8	UV resistant after 7 days	Pass
Vibration	BLCR GR-1503-CORE 4.6	> 32 in./lbs. loosening torque after vibration	Pass

Notes 1 Actual results > 70 lbs. for Series 6, 60% braid coverage. 2 For all cable types, inlcuding messenger cable.



HEX CRIMP - UNIVERSAL







PCT-59-U & PCT-59-U-WS

FEATURES & BENEFITS

- Universal 6 style accommodates full range of Series 6 cable, from 60% through quad
- Universal 59 style accommodates full range of Series 59 cable, from 60% through quad
- Outdoor version ("WS") provides weather-sealed protection through o-ring seal between nut and body and silicone sealant over the full length of crimp area
- Four crimp rings provide excellent mechanical retention to cable
- Fully compatible with standard .360 hex crimp tools

- Made of machined brass with nickel plating for superior corrosion resistance
- Annealed crimp ring for reliable crimp ring without fracturing
- Wide hex nut for ease of installation
- Standard cable preparation:
 - ▶ 1/4 in. center conductor
 - ▶ 1/4 in. dielectric
- Complies with all SCTE standards

PART NO.	DESCRIPTION	
Series 6 & 59		
PCT-6-U	Universal Hex Crimp Connector, Indoor, .360 Hex, Series 6, Universal	
PCT-6-U-WS	Universal Hex Crimp Connector, Outdoor, .360 Hex, Series 6, Universal	
PCT-59-U	Universal Hex Crimp Connector, Indoor, .360 Hex, Series 59, Universal	
PCT-59-U-WS	Universal Hex Crimp Connector, Outdoor, .360 Hex, Series 59, Universal	
Hex Crimp Tools & A	ccessories	
CR-360-R	Hex Crimp Tool, .360 Hex, Series 6 & 59	
CR-AL-360-R	Hex Crimp Tool, Lightweight Aluminum, .360 Hex, Series 6 & 59	
CR-611U-R	Hex Crimp Tool, .360 & .475 Hex, Series 59, 6, 7 & 11	
PCT-SR	Universal Seal Ring	

HEX CRIMP - SERIES 7 & 11





SERIES 7 & 11

FEATURES & BENEFITS

- "F-S" style accommodates Series 7 & 11 cable with 60% braid coverage
- "F-Q" style accommodates Series 7 & 11 cable, tri-shield through quad
- Outdoor version ("WS") provides weather-sealed protection through o-ring seal between nut and body and silicone sealant over the full length of crimp area
- Made of machined brass with nickel plating for superior corrosion resistance

- Integral center conductor pin prevents damage to "F" female interface
- Standard cable preparation:
 - ▶ 1/4 in. center conductor
 - ▶ 1/4 in. dielectric
- Complies with all SCTE standards

ORDERING INFORMATION

PART NO.	DESCRIPTION
Series 7 & 11	
PCT-11-F-S	Hex Crimp Connector, Indoor, .475 Hex, Series 11, 60%
PCT-11-F-S-WS	Hex Crimp Connector, Outdoor, .475 Hex, Series 11, 60%
PCT-11-F-Q	Hex Crimp Connector, Indoor, .475 Hex, Series 11, Trishield thru Quad
PCT-11-F-Q-WS	Hex Crimp Connector, Outdoor, .475 Hex, Series 11, Trishield thru Quad
PCT-7-F-S	Hex Crimp Connector, Indoor, .475 Hex, Series 7, 60%
PCT-7-F-S-WS	Hex Crimp Connector, Outdoor, .475 Hex, Series 7, 60%
PCT-7-F-Q	Hex Crimp Connector, Indoor, .475 Hex, Series 7, Trishield thru Quad
PCT-7-F-Q-WS	Hex Crimp Connector, Outdoor, .475 Hex, Series 7, Trishield thru Quad

Hex Crimp Tools & Accessories

CR-611U-R	Hex Crimp Tool, .360 & .475 Hex, Series 59, 6, 7 & 11
PCT-SR	Universal Seal Ring

LOCKING & PORT









PCT-59-F-T



PCT-TPG-R & PCT-TPG-O

FEATURES & BENEFITS

LOCKING TERMINATOR

- Heavy duty construction with superior crush resistance for theft prevention
- Corrosion resistant chromate finish
- Excellent electrical performance (min. 35 dB return loss)
- Integrated sealing gasket to prevent moisture penetration (Figure A)
- NO separate seal ring required on mating "F" port
- NO re-tooling required*
- Conforms to all applicable SCTE standards
- * Compatible with the most popular locking terminator tools

ORDERING INFORMATION

PART NO.	DESCRIPTION
Locking Terminator	
PCT-TPG-R	Locking Terminator with Resistor
PCT-TPG-O	Locking Terminator without Resistor
LTT-7	Tool, Locking Terminator
Port Terminator	
PCT-59-F-T	Port Terminator

PORT TERMINATOR

- 75 Ohm "F" port terminator
- Brass construction with nickel plating for excellent corrosion resistance



Figure A

FILTERS









PCT-HPF-80-NNH

FEATURES & BENEFITS

- Ultra-sharp frequency cut
- Return Loss: 16 dB minimum

- Moisture proof housing and male F-port
- 75 Ohm input and output impedence

ORDERING INFORMATION

PART NO.	DESCRIPTION
High Pass	
PCT-HPF-50-NNH	High Pass Filter, 50 MHz, without Nut, with Hex
PCT-HPF-80-NNH	High Pass Filter, 80 MHz, without Nut, with Hex

BONDING BLOCKS





PCT-INF-GB1



PCT-GB-1G

FEATURES & BENEFITS

- High quality, corrosion resistant extruded aluminum alloy
- "F-81" connectors are machined brass
- All models include grounding wire screw and two mounting screws
- Platinum Series includes patented DSM seizure for superior center conductor retention, reduced common path distortion, and excellent electrical performance (including min. -40 dB return loss through 1 GHz)
- Platinum Series also includes precision machined SCTE compliant ports for superior F-connector performance

PART NO.	DESCRIPTION
PCT-INF-GB1	Ground Block, Infinity Series
PCT-GB-1P	Ground Block, Platinum Series with DSM Seizure
PCT-GB-1PZ	Ground Block, Connector, Splice, One Piece Zinc
PCT-GB-1PB	Ground Block, Connector, Splice, One Piece Brass
PCT-GB-1G	Ground Block, Gold Series







PCT-INF-F81

NEW!



PCT-81L-F-SP & PCT-81L-F-NW

FEMALE TO FEMALE SPLICES



PCT-81L-F-SP & PCT-81L-F-NW



PCT-81-F-SPG & PCT-81-F-NWG



PCT-81-F-DFG



FEATURES & BENEFITS

- 3/8 in. -32 thread with 7/16 in. nut
- Available in Standard, Gold, and Infinity Series
- Gold Series includes patented DSM seizure for superior center conductor retention, reduced common path distortion, and excellent electrical performance
 - Minimum return loss: -40 dB through 1 GHz
 - Maximum insertion loss: -0.05 dB through 1 GHz
- SCTE compliant precision machined port ends for superior mating performance of F-connectors

PART NO.	DESCRIPTION
Infinity Series	
PCT-INF-F81	F-81 Splice Adapter, Infinity Series
PCT-INF-F81-HW	F-81 Splice Adapter, with nut and washer, Infinity Series
Standard Series	
PCT-81-F-SP	"F" Female Splice Adapter, 26.5 mm. w/o nut and washer
PCT-81-F-NW	"F" Female Splice Adapter, 26.5 mm. with nut and washer
PCT-81L-F-SP	"F" Female Splice Adapter, 28 mm. w/o nut and washer
PCT-81L-F-NW	"F" Female Splice Adapter, 28 mm. with nut and washer
Gold Series	
PCT-81-F-SPG	"F" Female Splice Adapter, Gold Series, 26.5 mm. w/o nut and washer
PCT-81-F-NWG	"F" Female Splice Adapter, Gold Series, 26.5 mm. with nut and washer
PCT-81-F-DFG	"F" Female Splice Adapter, Gold Series, 27.4 mm. w/o nut and washer, double flat-ended



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