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CONNECTORS

Torque Retaining

TORQUE RETAINING CONNECTORS

Building upon PCT International's field-proven TRS connector design, our patented torque retaining connector technology provides the premium reliability 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, increase signal ingress, increase signal egress, and



allow moisture migration. Our innovative, torque retaining technology ensures that wrench or finger tightened connectors remain properly tightened to the F-female port, regardless of vibration or temperature cycling.

FEATURES & BENEFITS

Lock washers are used in almost all applications that involve vibration, such as moving parts & engines, to ensure that the bolts holding the items together stay as tight as the day they were installed.

It was only logical that PCT incorporate such a simple idea into our connectors. This small addition corrects a complicated problem for operators who are experiencing problems with loose connections. The lock washer located beneath the post guarantees a secure, metal-to-metal connection between the F-male and F-female faces on the port ensuring a quality connection every time. Our connectors can be repeatedly tightened and loosened without any loss of torque retaining ability, ensuring a long life span in the field or home.

In addition to the torque retaining features, PCT connectors also offer superior sealing protection through dual compression rings and dual O-rings. Our specially designed post allows the O-ring, located in the face of the connector, to seat inside a small chamber allowing a true metal-to-metal contact with both the post and the face of the port. Typical most moisture enters through the threads of a connector. Our dual O-ring design eliminates the need for an additional weather seal. PCT is one of the few manufactures that maintains a high pass rate on the SCTE IPS moisture migration test without the use of weather boots during testing.

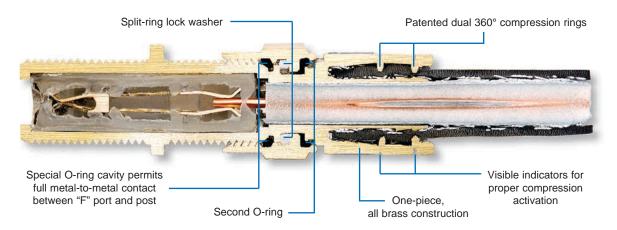
Contact PCT, and we'll help you harden the drop in your application.





CONNECTORS

Torque Retaining, Training & Support



PCT-TRS-6L Cutaway

(Shown installed onto PCT coaxial cable and connected to PCT-F81-G)

TRAINING & SUPPORT

At PCT, the support doesn't end after the sale, we are here to assist you every step of the way! We are dedicated to our customers and are committed to ongoing training and support. Our staff of industry experienced personnel is here to assist you every step of the way.

PCT's internally developed training programs allow our customers an opportunity to learn through hands-on exercises. These exercises include the use of PCT products as well as their interoperability with other leading industry manufacturers' products.

Completion of the program assures that each customer of PCT is certified in the use of our products.

Each training program working tailored to technicians with and management their facilities, to assist them with training on various products with an emphasis on proper preparation and installation both cable connectors. Training sessions average around two (2) hours and accommodate up to 100 trainees per session. Installation and preparation

Installation and preparation techniques learned and practiced in these sessions assist our customers in reducing trouble calls and increasing subscriber satisfaction.



INDIVIDUALIZED TRAINING

PCT strives to offer each customer a unique training experience that is designed with their needs in mind. Our technical support personnel offer onsite training and support to ensure that everyone on your team understands and is confident in our products.

OUR COMMITMENT TO YOU

PCT is committed to continued excellence in customer service and stands behind each and every product we sell to our customers.



CONNECTORS

Product Selection









PCT-TRS-6P

MODELS

FEATURES & BENEFITS	Series 6, 59, & 9 Universal	Series 7 & 11 Universal	Serial 59 Headend	Series 6 Plenum
Cable types	Series 59 & 6	Series 7 & 11	Series 59 Headend	6 Plenum
 Accepts 60% thru tri shield cable 				•
 Accepts 60% thru quad shield cable 	•	•	•	
One-piece, all-metal design	•	•	•	•
 Pop-out center pin confirms proper center conductor contact 		•		
F-style interface	•	•	•	•
Excellent shielding protection	•	•	•	•
Unique design requires little force to install	•	•	•	•
 Patented dual 360° compression rings 	•	•	•	•
 Weather-sealed nut seals without separate port seals or thread protectors 	•	•	•	
 Industry standard 1/4 in. to 1/4 in. cable preparation 	•	•	•	•
Meets all applicable SCTE specifications	•	•	•	•
 Available with patented torque retaining feature ("L") 	•	•	•	
Right angle 90° models available ("RA")	•	•		

PART NUMBERS



PCT-TRS-6L-RA & PCT-TRS-59L-RA

PCT-TRS-6 PCT-TRS-6L PTC-TRS-6L-RA PCT-TRS-59 PCT-TRS-9NT PCT-TRS-9LNT PCT-DRS-7 PCT-DRS-7L PCT-DRS-11-RA PCT-DRS-11L PCT-DRS-11LB PCT-DRS-11L-RA PCT-DRS-11P PCT-DRS-11QP PCT-TRSHE-59 PCT-TRS-6P PCT-TRSHE-59L



PCT-DRS-11-RA

www.pctinternational.com



CONNECTORS

Product Selection











PCT-RCA-6 & PCT-RCA-59

MODELS

FEATURES & BENEFITS	Series 320 QR	TRS Series 6 & 9 IEC	DRS Series 6 & 59 IEC	Series 6, 59 & 9 BNC	Series 6, 59 & 9 RCA
Cable types					
Series 6 (60% ~ Tri)			•		
Series 6 (60% ~ Quad)		•		•	•
Series 9 (60% ~ Quad)		•		•	•
 Series 59 (67% ~ Tri) 			•		
 Series 59 (67% ~ Quad) 		•		•	•
 Series 59 HEC (Headend) 				•	
Series 59M (Mini)				•	
Series 320 QR	•				
 One-piece, all-metal design 	•	•	•	•	•
IEC interface, male and female		•	•		
 Patented dual 360° compression rings 	•	•	•	•	•
Weather-sealed nut seals without separate port seals or thread protectors	•				
Meets all applicable SCTE specifications	•	•	•	•	•
Compatible with PCT-MINI adapters		•		•	•
DADT NIIMBEDS	PCT_DRS_320OP	PCT_TPS_AIF_NIT	PCT_DPS_50_IF_NIT	PCT-RNC-6	PCT-PCA-6

PART NUMBERS

PCT-DRS-320QR

PCT-TRS-6IF-NT PCT-TRS-6IM-NT PCT-TRS-9IF-NT PCT-TRS-9IM-NT PCT-DRS-59-IF-NT PCT-DRS-59-IM-NT PCT-DRS-6-IM-NT PCT-DRS-6-IF-NT

PCT-BNC-6 PCT-BNC-59 PCT-BNC-59HE PCT-BNC-9 PCT-BNC-9NT PCT-BNC-M

PCT-RCA-6 PCT-RCA-59 PCT-RCA-9NT

CONNECTOR LABEL GUIDE

TRS / DRS	Cable Type	Label Co	lor
PCT-TRS-6 (6L)	Series 6, 60% thru Quad	Blue	PCT
PCT-TRS-6P	Series 6, Plenum thru Tri	Magenta	PCT
PCT-TRS-9	Series 9, 60% thru Quad	Green	PCT
PCT-TRS-59 (59L)	Series 59, 67% thru Quad	Red	PCT
PCT-TRSHE-59 (59L)	Series 59, Headend	Yellow	PCT

BNC / RCA	Cable Type	Label Color	
PCT-BNC-6	Series 6, 60% thru Quad	Blue	PCT
PCT-BNC-9	Series 9, 60% thru Quad	Green	PCT
PCT-BNC-59	Series 59, 67% thru Quad	Red	PCT
PCT-BNC-59HE	Headend Cable	Yellow	PCT
PCT-BNC-M	Mini Headend Cable	Yellow	PCT
PCT-RCA-6	Series 6, 60% thru Quad	Blue	PCT
PCT-RCA-9NT	Series 9, 60% thru Quad	Green	PCT
PCT-RCA-59	Series 59, 67% thru Quad	Red	PCT



CONNECTORS

Ordering Information, Specifications

ORDERING INFORMATION

Part No.	Description
 Series 6 & 59 Universal 	
PCT-TRS-6	TRS Compression Connector, Series 6, 60% thru Quad-Shield
PCT-TRS-6L	TRS Compression Connector, Series 6, Torque Retaining, 60% thru Quad-Shield
PCT-TRS-6LRA	TRS Compression Connector, Series 6, Torque Retaining, Right Angle, 60% thru Quad-Shield
PCT-TRS-6P	TRS Compression Connector, Series 6, Plenum, Standard thru Tri-Shield
PCT-TRS-9NT	TRS Compression Connector, Series 9, Nickel Tin, 60% thru Quad-Shield
PCT-TRS-9LNT	TRS Compression Connector, Series 9, Torque Retaining, Nickel Tin, 60% thru Quad-Shield
PCT-TRS-59	TRS Compression Connector, Series 59, 67% thru Quad-Shield
PCT-TRS-59L	TRS Compression Connector, Series 59, Torque Retaining, 67% thru Quad-Shield
• Series 7 & 11	
PCT-DRS-7	DRS Compression Connector, Series 7, 60% thru Tri-Shield (9/16 Hex)
PCT-DRS-7L	DRS Compression Connector, Series 7, Torque Retaining, 60% thru Quad-Shield (7/16 Hex Nut)
PCT-DRS-11RA	DRS Compression Connector, Series 11, Right Angle, 60% thru Quad-Shield (9/16 Hex Nut)
PCT-DRS-11L	DRS Compression Connector, Series 11, Torque Retaining, 60% thru Quad-Shield (7/16 Hex Nut)
PCT-DRS-11LB	DRS Compression Connector, Series 11, Torque Retaining, 60% thru Quad-Shield (9/16 Hex Nut)
PCT-DRS-11LRA	DRS Compression Connector, Series 11, Right Angle, 60% thru Quad, Torque Retaining (7/16 Hex Nu
PCT-DRS-11P	DRS Compression Connector, Series 11, 60% thru Tri-Shield (7/16 Hex Nut), Plenum
PCT-DRS-11QP	DRS Compression Connector, Series 11, Quad Shield (7/16 Hex Nut), Plenum
• Headend	Dis Compression Connector, series 11, Quad shield (77 to flex Nuty, Fleriam
PCT-DRSHE-59	DRS Compression Connector, Series 59, Headend
PCT-DRSHE-59L	DRS Compression Connector, Series 59, Headend, Torque Retaining
PCT-DRSHE-M	DRS Compression Connector, Mini, Headend
PCT-DRSHF-MI	DRS Compression Connector, Mini, Headend, Torque Retaining
PCT-DRSHE-MQ	DRS Compression Connector, Mini, Headend, Quad Shield
PCT-DRSHE-MQL	DRS Compression Connector, Mini, Headend, Quad Shield, Torque Retaining
PCT-TRSHE-59	TRS Compression Connector, Series 59, Headend
PCT-TRSHE-59L	TRS Compression Connector, Series 59, Headend, Torque Retaining
PCT-MINI-ADP-HE	Compression Connector Adapter, Mini Coaxial Cable
• Series 320 QR	Compression Connector Adapter, Mini Coasial Cable
PCT-DRS-320QR	DRS Compression Connector, Series 320 QR
• IEC	DR3 Complession Connector, series 320 QR
PCT-TRS-6-IF-NT	TRS Compression Connector, Series 6, 60% thru Quad-Shield, IEC Female, Nickel Tin
PCT-TRS-6-IM-NT	TRS Compression Connector, Series 6, 60% thru Quad-Shield, IEC Male, Nickel Tin
PCT-TRS-9-IF-NT	TRS Compression Connector, Series 9, 60% thru Quad-Shield, IEC Female, Nickel Tin
PCT-TRS-9-IM-NT	·
PCT-TRS-59-IF-NT	TRS Compression Connector, Series 59, 60% thru Quad-Shield, IEC Male, Nickel Tin
	TRS Compression Connector, Series 59, 67% thru Quad-Shield, IEC Female, Nickel Tin
PCT-TRS-59-IM-NT RCA	TRS Compression Connector, Series 59, 67% thru Quad-Shield, IEC Male, Nickel Tin
	TDC Companying Companying Company Coring / (00/ Mary Coring d Chinal DCA Mala
PCT-RCA-6	TRS Compression Connector, Series 6, 60% thru Quad-Shield, RCA Male
PCT-RCA-9NT	TRS Compression Connector, Series 9, 60% thru Quad-Shield, RCA Male, Nickel Tin
PCT-RCA-59	TRS Compression Connector, Series 59, 60% thru Quad-Shield, RCA Male
• BNC	TDC Communication Communication (100/ Abrus Oscieta / PNIC Mala
PCT-BNC-6	TRS Compression Connector, Series 6, 60% thru Quad-Shield, BNC Male
PCT-BNC-9	TRS Compression Connector, Series 9, 60% thru Quad-Shield, BNC Male
PCT-BNC-9NT	TRS Compression Connector, Series 9, 60% thru Quad-Shield, BNC Male, Nickel Tin
PCT-BNC-M	TRS Compression Connector, Series Mini Cable, BNC Male
PCT-BNC-59	TRS Compression Connector, Series 59, 67% thru Quad-Shield, BNC Male
PCT-BNC-59HE	TRS Compression Connector, Series 59, HEC Cable, BNC Male

SPECIFICATIONS

Parameter	Specification	Requirement	Results
Cable Retention	ANSI SCTE 99 2004	> 40 lbs pull force	PASS
Chemical Resistance	BLCR GR-1503-CORE 4.7	No cracking or swelling	PASS
Corrosion Resistance	BLCR GR 1503-CORE 3.2.1	1,000 hours salt spray	PASS
Tightening Torque	ANSI/SCTE 98 2004	Tightened to 60 in /lbs without damage	PASS
Insertion Loss	ANSI/SCTE 144 2007	< 0.05 dB to 350 MHz, < 0.1 dB to 700 MHz, < 0.2 dB to 1 GHz	PASS
Installation Force	ANSI/SCTE 73 2007	< 20 lbs maximum insertion	PASS
Loosening Torque	BLCR GR-1503-CORE 4.2	≥ 30 in / lbs after temperature cycling	PASS
Moisture Migration	ANSI/SCTE 60 2004	No dye penetration after 5 days of temperature cycling	PASS
Ozone Degradation	BLCR GR-1503-CORE 4.1	70 hours exposure	PASS
Return Loss	ANSI/SCTE 05 2008	> -30 dB to 1 GHz	PASS
Salt Fog	ANSI/SCTE 143 2007	> -30 dB return loss to 1 GHz	PASS
Shielding Effectiveness	ANSI/SCTE 48-1 2007 ANSI/SCTE 48-2 2008	> -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
DC Contact Resistance Outer Conductor	ANSI/SCTE 103 2004	< 5 milliohms	PASS

^{*} TRS 6L, 59L, and DRS 11L.





TOOLS

Product Selection



			MODELS		
FEATURES & BENEFITS	PCT-RH-CT-AS	PCT-RH-CT	PCT-TRS-CT	PCT-TRS-CT-AS	PCT-AIO-CT
Cable types	Series 6, 7, 11, 59, Headend & 320QR	Series 6 & 59 Headend	Series 6 & 59 Headend	Series 6, 7, 11, 59, Headend & 320QR	Series 6, 7, 11, 59, Headend & 320QR
Connector types	TRS Series 6 & 59, & DRS Series 7, 11, & 320QR	TRS Series 6 & 59	TRS Series 6 & 59	TRS Series 6 & 59, & DRS Series 7, 11, & 320QR	TRS Series 6 & 59, & DRS Series 6, 59, 7, 11, DPS, RCA, BNC, IEC, and RA
Works on all compression connectors offered by PCT					•
Compact, pocket-size design	•	•	•	•	•
• Enhanced leverage for easier activation	•	•	•	•	•
 Automatically aligns cable 	•	•			
Flip latch secures connector assembly providing perfect alignment			•	•	•
Greater durability for longer life	•	•	•	•	•
Full 360° compression surface	•	•	•	•	•



FEATURES & BENEFITS	PCT-TT
Indoor torque tool	•
Tightens F-connectors to 8 to 10 in lbs of torque	•
Consistent torque applied, regardless of the installer	•
Eliminates damage to consumer electronic devices due to overtightened connectors	•
Reusable, glass filled nylon material "work hardens" with use	•
Prevents truck rolls caused by loose connectors	•
Helps prevent signal loss, ingress / egress	•
Great for "Self Install Kits"!	•



FEATURES & BENEFITS	PCT-IT
Insertion tool	•
Used to help install a connector onto difficult cable	•
 Compact, pocket-size design with key ring slot 	•
 Quad and tri-shield cable gauges (max. diameter over jacket) 	•
Center conductor length gauge	•





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TOOLS

Ordering Information

ORDERING INFORMATION

Part No.	Description
• Tools	
PCT-RH-CT	Compression Tool, TRS Series 6 & 59
PCT-RH-CT-AS	Compression Tool, TRS Series 6, 59, 7 & 11
PCT-AIO-CT	Compression Tool, TRS Series 6 & 59, and DRS Series 6, 59, 7 11, DPS, RCA, BNC, IEC, & RA
PCT-TRS-CT	Compression Tool, TRS Series 6 & 59
PCT-TRS-CT-AS	Compression Tool, TRS Series 6, 59, 7, 11, & 320 QR
PCT-IT	Connector Tool, Insertion
PCT-TT	Connector Tool, Torque

ACCESSORIES



PCT-JS (Shown installed onto a PCT-JTRS6LA jumper.)



PCT-JSU



PCT-SR







PCT-90F

ORDERING INFORMATION

OKBEKINO	
Part No.	Description
PCT-90F	Adapter, 90° Right Angle, Female to Female
PCT-JS	Jumper Sleeve for TRS Series Connectors
PCT-JSU	Universal Sleeve for TRS/DRS Series Connectors
PCT-LT	Locking Terminator, 100% Brass, with 75 Ohm Resistor
PCT-SR	EPDm Rubber Seal Ring
PCT-SS	Security Sleeve
PCT-TPGO	Locking Port Terminator without Resistor
PCT-TPGR	Lock post Terminator with 25 Resistor





BONDING BLOCKS

Monolithic & Gold Series







F	EATURES	& B	ENEF	TS	
•	One-piece o	design	constru	cted	of

FEATURES & BENEFITS	PCT-MBB-1	PCT-GB-1P
One-piece design constructed of stainless steel for extended life and added value	•	
Gold plated beryllium copper seizure	•	•
100% conformance to SCTE standards for center conductor retention	•	•
 PCT's patented WEDGE™ mechanism secures the ground wire with more than triple the surface area of contact without damaging the copper bond wire 	•	
Integrated split-ring lock washer permanently bonds wire attachment	•	
High quality, corrosion resistant extruded aluminum alloy		•
 Includes grounding wire screw and two mounting screws 	•	•
 PCT's patented DSM seizure for superior center conductor retention, reduced common path distortion, and excellent electrical performance (including min30 dB return loss thru 1 GHz) 	•	•
 Precision machined SCTE conforming ports for superior F-connector 		

ORDERING INFORMATION

performance

Part No.	Description
PCT-MBB-1	Bonding Block, Monolithic with DSM [®] Seizure and Wedge™ Design
PCT-GB-1P	Bonding Block, Platinum Series with DSM® Seizure

ADAPTERS Female to Female Splice



FEATURES & BENEFITS	PCT-F81-G	PCT-81-F-SPG & PCT-81-F-NWG
• 3/8 in 32 UNEF thread with 7/16 in. nut	•	•
 Gold Series includes patented DSM seizure for superior center conductor retention, reduced common path distortion, and excellent electrical performance 	•	•
Minimum return loss: -30 dB thru 1 GHz	•	•
Maximum insertion loss: -0.05 dB thru 1 GHz	•	•
 Precision machined port ends for superior mating performance of F-connectors 	•	•

ORDERING INFORMATION

Part No.	Description
PCT-81-F-SPG	"F" Female Splice Adapter, Gold Series, 21.5 mm w/o nut and washer
PCT-81-F-NWG	"F" Female Splice Adapter, Gold Series, 26.5 mm with nut and washer
PCT-F81-G	"F" Female Splice Adapter, Gold Series, 30.9 mm w/o nut and washer, double flat-ended, indoor/outdoor use, wide hex flat area



JUMPER ASSEMBLIES

Custom and Standard



BUILD TO SUIT - FACTORY DIRECT

Domestic assembly and in-house connector manufacturing facilitates the shortest possible lead times.



PCT Custom Jumper (Shown with PCT-TRS-6L Connectors and PCT-JS Jumper Sleeves.)

You name it. We can build it!

ORDERING INFORMATION

ORDERING INTORMATION								
JTRS		Α				Description		
						CONNECTOR OPTIONS		
	6					PCT-6		
	6L					PCT-6L		
	11					PCT-11		
	11L					PCT-11L		
	59					PCT-59		
	59L					PCT-59L		
						CABLE SHIELDING		
						Standard (leave blank)		
			TS			Tri-shield (tape, braid, tape)		
			77TS			Tri-shield, 77% braid coverage (tape, braid, tape)		
			QS			Quad-shield (tape, braid, tape, braid)		
						LENGTH		
						Enter number of inches		
						OPTIONS		
					JS	Jumper Sleeve for TRS Series Connectors*		
					JSU	Universal Sleeve for TRS/DRS Series Connectors*		

* JS and JSU sleeves can be added to any jumper. For assistance in determining the correct part number, please feel free to contact PCT at 1.800.306.8948.

Part Number Ordering Examples

Standard Shield Jumpers

	JTRS	6L	Α		15		Description
I							CONNECTOR OPTIONS
		6L					PCT-6L
ſ							LENGTH
					15		Enter number of inches

Tri-Shield Jumpers

JTR	5	6L	Α	TS	12		Description
							CONNECTOR OPTIONS
		6L					PCT-6L
							CABLE SHIELDING
TS							Tri-shield (tape, braid, tape)
							LENGTH
					12		Enter number of inches

Quad-Shield Jumpers

JTRS	6L	Α	QS	36	JS	Description				
						CONNECTOR OPTIONS				
6L						PCT-6L				
						CABLE SHIELDING				
QS						Quad-shield (tape, braid, tape, braid)				
						LENGTH				
36						Enter number of inches				
						OPTIONS				
					JS	Jumper Sleeve for TRS Series Connectors*				



PCT Custom Jumper Kits

(Kittable items include: Jumpers with Connectors and Sleeves, Splitters, Amplifiers, USB Cables, Phone Cables, etc.)



CONNECTORS

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