

PPC Wireless Connectors



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Our people are fearless about pursuing new solutions to our customers needs. PPC's wireless compression connectors, AllTight® and CompPro®, continue this commitment of unmatched innovation, quality and service.



A new kind of connector

Designed to excel in harsh operating environments. Increasing RF electrical performance requirements necessitates a more durable, resilient and intelligent connector.

You know PPC for its:

- **CONNECTORS** we've been manufacturing for over 65 years
- **INNOVATIVE SOLUTIONS** and real value we continue to bring to our customers
- **REPUTATION** as a leader in the broadband, wireless, consumer electronics and telecommunications industries
- **200 PATENTS** making a significant impact on the way your customers receive their service



AllTight® Advantages

- **Compresses onto three surfaces:** the outer conductor, over the jacket and on the center conductor
- **Superior long-term RF performance and 100% waterproof sealing**
- Eliminates connector-related dropped calls and service visits by **securing onto transmission cables**

CompPro® Advantages

- **Patented 360 degree compression that seals out moisture, dust and air**, preventing water ingress, eliminating connector-related downtime and maintenance over the site's entire life cycle
- **2X pin strength** for superior RF signal transmission
- **Highest pull strength in the industry**—for reliable performance in the most strenuous conditions
- Solid, one-piece construction for an **easy, one-minute installation process**



Unbeatable Products

"The main difference is a large majority of the other connectors would come right off in your hand if you pulled on them hard enough. **I could tow a vehicle with a PPC connected cable knowing that connector is on there.**"

-Cell Tech, Verizon Wireless

"It seems all connectors brag about their superiority so we were skeptical. The contract that we were just awarded was with a customer that changed their requirement to PPC just before implementation. **Immediately, we could see the superiority of design from a reliability standpoint and ease of use. We are certifying all our crews now on the PPC connector and will not go back to using other connectors!**"

-Cell Tech, America Unwired

Unbeatable Investment

Reduce the overall cost of ownership of your wireless network. Investing wisely improves network performance and customer satisfaction yielding higher profits.

Our customers and industry experts agree that the initial investment is well worth the durable products, reduced service calls and unequalled training and support. Partnering with PPC reduces operational costs, and increases profits.



Connectors only account for 1% of the total cost of a wireless system but are the most important piece. They are the link between the high cost components in the RF path.

"Customers are growing more dependent on their wireless phones. Carriers providing superior network quality have the advantage in attracting new customers. **Network quality translates into revenue benefits**; customers switching carriers spend \$5 more per month. **Wireless customers are willing to pay a premium for an exceptional network.**"

*-Kirk Parsons, Senior director of wireless services,
JD Power and Associates*



Long-Term Savings

Consider the true cost of poor connections:

- Money spent on tower-climbs
- Lost system time
- Discarded material
- Unhappy customers

These costs add up to much more than the original material cost of the connector. PPC connectors reduce service calls and operational expenses.



THE WALL STREET JOURNAL.

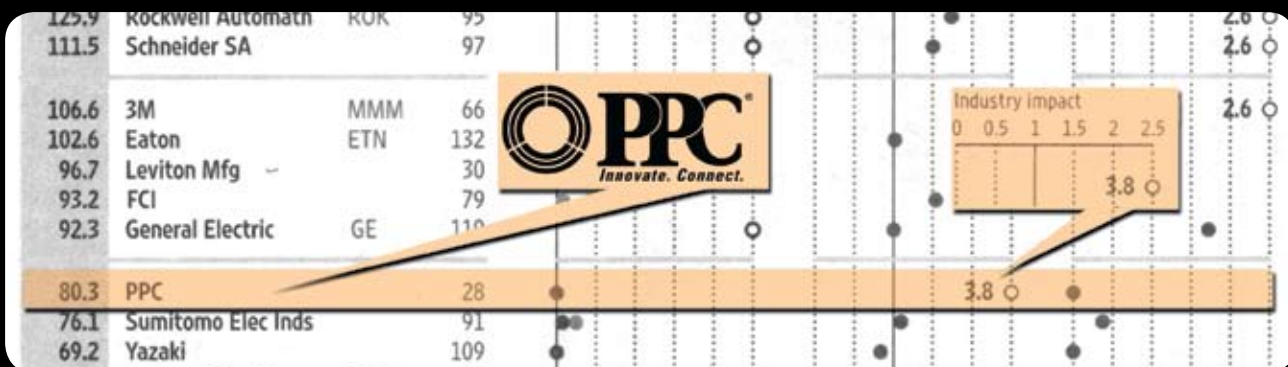
Industrial Components & Fixtures from Top to Bottom, by Technology Strength

Companies and private research firms are grouped by their Patent Board technology strength ranking which is based on the scale, quality, impact, and nearness to core science of a company's patent-based intellectual property. This overall strength rating factors in both qualitative and quantitative aspects of a company's patent portfolio. The charts help spot the leaders in each group across the board.

4G and Beyond

PPC was ranked #2 by the Wall Street Journal for industry impact and for being among the most innovative companies in the world. Many existing suppliers use outdated, older technology, that is not future-proof (4G-ready). Using antiquated connectors and jumpers is not fair to your network and customers.





Unbeatable Support

PPC believes in creating strong partnerships with everyone we do business with. We are committed to providing not only the best products in the wireless industry, but the best service as well. That service is not only when you buy our products, but throughout the life of our products and beyond; on-line, on the phone, in person.

www.ppc-online.com/WirelessTechSupport
US: 1-888-201-6073



Technician Training

How Compression Technology Improves Your Service & Installation

One of the functions of the PPC Tough training program involves surveying technicians in the field for information regarding installation, product issues, and anything else that can help us make installations better and more effective.

Over 3,983 technicians were surveyed, and the results clearly indicate that PPC's connector and jumpers can improve service and reduce service calls. This lowers your operational cost, and increases your profits.





3,983 Technicians Surveyed

43% found damage of cable or connectors due to moisture

AllTight® and CompPro® provide the most complete moisture protection in the industry.

45% found loose connectors

AllTight® and CompPro® utilize compression technology which eliminates loose connectors.

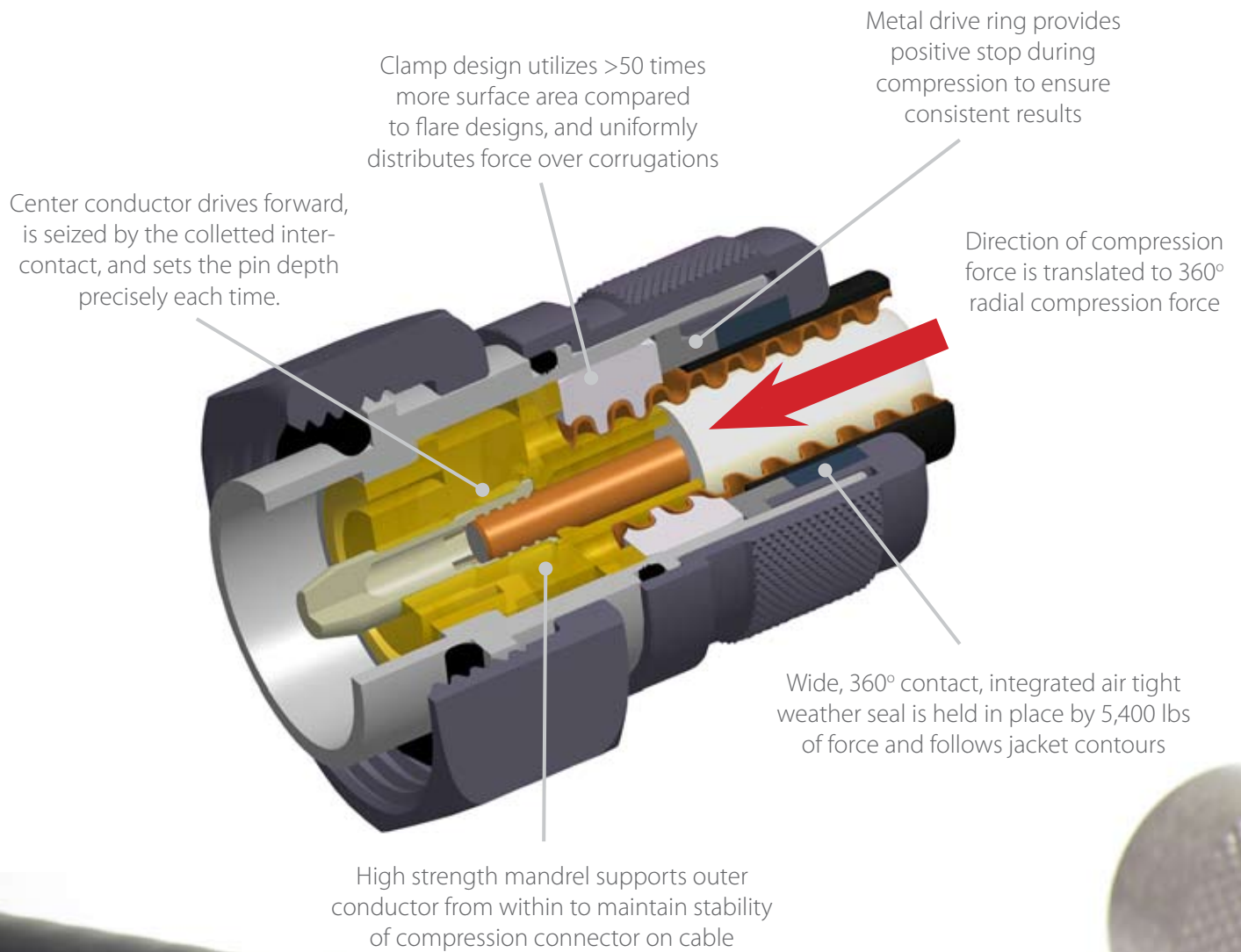
37% found sealing tape failed, moisture entered the connector

Undress your connectors. With AllTight® or CompPro®, no sealing tape is necessary.

50% found damaged cable

AllTight® and CompPro® eliminate moisture from damaging your cable.

AllTight® Compression Connectors for Corrugated & Smooth Wall Cable



1/2" AllTight® Connectors

1/2" Smooth Wall

SFX500 (Flexible) Type Smooth Wall Connectors	
CC-DM-S4	50 Ohm connector, DIN Male interface for SFX500 cable
CC-DF-S4	50 Ohm connector, DIN Female interface for SFX500 cable
CC-DRA-S4	50 Ohm Right Angle connector, DIN Male interface for SFX500 cable
CC-NM-S4	50 Ohm connector, N Male interface for SFX500 cable
CC-NF-S4	50 Ohm connector, N Female interface for SFX500 cable
CC-NRA-S4	50 Ohm Right Angle connector, N Male interface for SFX500 cable

CR540/FXL540 Type Smooth Wall Connectors	
CC-DM-540	50 Ohm connector, DIN Male interface for CR540 & FXL540 cable
CC-DF-540	50 Ohm connector, DIN Female interface for CR540 & FXL540 cable
CC-DRA-540	50 Ohm Right Angle connector, DIN Male interface for CR540 & FXL540 cable
CC-NM-540	50 Ohm connector, N Male interface for CR540 & FXL540 cable
CC-NF-540	50 Ohm connector, N Female interface for CR540 & FXL540 cable
CC-NRA-540	50 Ohm Right Angle connector, N Male interface for CR540 & FXL540 cable

1/2" Corrugated

Andrew LDF4, RFS LCF12, EUPEN EC4-50, & NK RFA1200 Type Connectors	
CC-DM-L4	50 Ohm connector, DIN Male for LDF4, LCF12, EUPEN EC4-50 & RFA 1200 cable
CC-DF-L4	50 Ohm connector, DIN Female for LDF4, LCF12, EUPEN EC4-50 & RFA 1200 cable
CC-DRA-L4	50 Ohm Right Angle, DIN Male for LDF4, LCF12, EUPEN EC4-50 & RFA 1200 cable
CC-NM-L4	50 Ohm connector, N Male for LDF4, LCF12, EUPEN EC4-50 & RFA 1200 cable
CC-NF-L4	50 Ohm connector, N Female for LDF4, LCF12, EUPEN EC4-50 & RFA 1200 cable
CC-NRA-L4	50 Ohm Right Angle, N Male for LDF4, LCF12, EUPEN EC4-50 & RFA 1200 cable

Andrew FSJ4 SuperFlex Type Connectors	
CC-DM-F4	50 Ohm connector, DIN Male interface for FSJ4 cable
CC-DF-F4	50 Ohm connector, DIN Female interface for FSJ4 cable
CC-DRA-F4	50 Ohm Right Angle connector, DIN Male interface for FSJ4 cable
CC-NM-F4	50 Ohm connector, N Male interface for FSJ4 cable
CC-NF-F4	50 Ohm connector, N Female interface for FSJ4 cable
CC-NRA-F4	50 Ohm Right Angle connector, N Male interface for FSJ4 cable

RFS SCF12 (Flexible) Type Connectors	
CC-DM-SCF12	50 Ohm connector, DIN Male interface for SCF12 cable
CC-DF-SCF12	50 Ohm connector, DIN Female interface for SCF12 cable
CC-DRA-SCF12	50 Ohm Right Angle connector, DIN Male interface for SCF12 cable
CC-NM-SCF12	50 Ohm connector, N Male interface for SCF12 cable
CC-NF-SCF12	50 Ohm connector, N Female interface for SCF12 cable
CC-NRA-SCF12	50 Ohm Right Angle connector, N Male interface for SCF12 cable

NK RFF 1/2" (Flexible) Type Connectors	
CC-DM-RFF4	50 Ohm connector, DIN Male interface for NK RFF1200 cable
CC-DF-RFF4	50 Ohm connector, DIN Female interface for NK RFF1200 cable
CC-DRA-RFF4	50 Ohm Right Angle connector, DIN Male interface for NK RFF1200 cable
CC-NM-RFF4	50 Ohm connector, N Male interface for NK RFF1200 cable
CC-NF-RFF4	50 Ohm connector, N Female interface for NK RFF1200 cable
CC-NRA-RFF4	50 Ohm Right Angle connector, N Male interface for NK RFF1200 cable

Eupen EC4HF (Flexible) Type Connectors	
CC-DM-EC4HF	50 Ohm connector, DIN Male interface for Eupen EC4HF cable
CC-DF-EC4HF	50 Ohm connector, DIN Female interface for Eupen EC4HF cable
CC-DRA-EC4HF	50 Ohm Right Angle connector, DIN Male interface for Eupen EC4HF cable
CC-NM-EC4HF	50 Ohm connector, N Male interface for Eupen EC4HF cable
CC-NF-EC4HF	50 Ohm connector, N Female interface for Eupen EC4HF cable
CC-NRA-EC4HF	50 Ohm Right Angle connector, N Male interface for Eupen EC4HF cable



7/8", 1-1/4" & 1-5/8" AllTight® Connectors

7/8" Connectors

Andrew AVA5 & AL5 Type Connectors	
CC-DM-A5	50 Ohm connector, DIN Male interface for AVA5 & AL5 cable
CC-DF-A5	50 Ohm connector, DIN Female interface for AVA5 & AL5 cable
CC-NM-A5	50 Ohm connector, N Male interface for AVA5 & AL5 cable
CC-NF-A5	50 Ohm connector, N Female interface for AVA5 & AL5 cable

Andrew LDF5 & RFS LCF78 J Type Connectors	
CC-DM-L5	50 Ohm connector, DIN Male interface for LDF5 & LCF78 J cable
CC-DF-L5	50 Ohm connector, DIN Female interface for LDF5 & LCF78 J cable

RFS LCF78 JA Type Connectors	
CC-DM-JA5	50 Ohm connector, DIN Male interface for RFS LCF78 JA cable
CC-DF-JA5	50 Ohm connector, DIN Female interface for RFS LCF78 JA cable
CC-NM-JA5	50 Ohm connector, N Male interface for RFS LCF78 JA cable
CC-NF-JA5	50 Ohm connector, N Female interface for RFS LCF78 JA cable

CommScope FXL780/CR1070 Type Connectors	
CC-DM-780	50 Ohm connector, DIN Male interface for FXL780/CR1070 cable
CC-DF-780	50 Ohm connector, DIN Female interface for FXL780/CR1070 cable
CC-NM-780	50 Ohm connector, N Male interface for FXL780/CR1070 cable
CC-NF-780	50 Ohm connector, N Female interface for FXL780/CR1070 cable

Eupen EC5 Type Connectors	
CC-DM-EC5	50 Ohm connector, DIN Male interface for Eupen EC5 cable
CC-DF-EC5	50 Ohm connector, DIN Female interface for Eupen EC5 cable
CC-NM-EC5	50 Ohm connector, N Male interface for Eupen EC5 cable
CC-NF-EC5	50 Ohm connector, N Female interface for Eupen EC5 cable

NK RFA 7/8" Type Connectors	
CC-DM-RFA5	50 Ohm connector, DIN Male interface for NK RFA 7/8 cable
CC-DF-RFA5	50 Ohm connector, DIN Female interface for NK RFA 7/8 cable
CC-NM-RFA5	50 Ohm connector, N Male interface for NK RFA 7/8 cable
CC-NF-RFA5	50 Ohm connector, N Female interface for NK RFA 7/8 cable

1-1/4" Connectors

Andrew AVA6 & AL6 Type Connectors	
CC-DM-A6	50 Ohm connector, DIN Male interface for AVA6 & AL6 cable
CC-DF-A6	50 Ohm connector, DIN Female interface for AVA6 & AL6 cable

Andrew LDF6 Type Connectors	
CC-DM-L6	50 Ohm connector, DIN Male interface for LDF6 cable
CC-DF-L6	50 Ohm connector, DIN Female interface for LDF6 cable

RFS UCF 114 Type Connectors	
CC-DM-U6	50 Ohm connector, DIN Male interface for UC114 cable
CC-DF-U6	50 Ohm connector, DIN Female interface for UC114 cable

CommScope FXL1480/CR1480 Type Connectors	
CC-DM-1480	50 Ohm connector, DIN Male interface for FXL1480/CR1480 cable
CC-DF-1480	50 Ohm connector, DIN Female interface for FXL1480/CR1480 cable

Eupen EC6 Type Connectors	
CC-DM-EC6	50 Ohm connector, DIN Male interface for EC6 cable
CC-DF-EC6	50 Ohm connector, DIN Female interface for EC6 cable

NK RFA 1-1/4" Type Connectors	
CC-DM-RFA6	50 Ohm connector, DIN Male interface for RFA 1-1/4 cable
CC-DF-RFA6	50 Ohm connector, DIN Female interface for RFA 1-1/4 cable

1-5/8" Connectors

Andrew AVA7 & AL7 Type Connectors	
CC-DM-A7	50 Ohm connector, DIN Male interface for AVA7 & AL7 cable
CC-DF-A7	50 Ohm connector, DIN Female interface for AVA7 & AL7 cable

LDF7 & RFS LCF158 J Type Connectors	
CC-DM-L7	50 Ohm connector, DIN Male interface for LDF7 & RFS LCF158 J cable
CC-DF-L7	50 Ohm connector, DIN Female interface for LDF7 & RFS LCF158 J cable

RFS LCF158 JA Type Connectors	
CC-DM-JA7	50 Ohm connector, DIN Male interface for RFS LCF158 JA cable
CC-DF-JA7	50 Ohm connector, DIN Female interface for RFS LCF158 JA cable

CommScope FXL1873/CR1873 Type Connectors	
CC-DM-1873	50 Ohm connector, DIN Male interface for FXL1873/CR1873 cable
CC-DF-1873	50 Ohm connector, DIN Female interface for FXL1873/CR1873 cable

Eupen EC7 Type Connectors	
CC-DM-EC7	50 Ohm connector, DIN Male interface for Eupen EC7 cable
CC-DF-EC7	50 Ohm connector, DIN Female interface for Eupen EC7 cable

NK RFA 1-5/8" Type Connectors	
CC-DM-RFA7	50 Ohm connector, DIN Male interface for NK RFA 1-5/8 cable
CC-DF-RFA7	50 Ohm connector, DIN Female interface for NK RFA 1-5/8 cable



Prep, Install & Compression Tools

Compression Tools

Complete Tool Kits — (used for FSJ1, FSJ4, LDF1, LDF4 & LCF12 connectors only)	
KIT-CC-1/4	Prep and compression tool kit for 1/4" corrugated cable and connectors
KIT-CC-1/2	Prep and compression tool kit for 1/2" corrugated cable and connectors
KIT-CC-FULL	Prep and compression tool kit for all corrugated cable and connectors

Compression Tool Kits	
KIT-HCG-1/4	Compression tool kit (Gun, 1/4" Frame, Inserts A & B)
KIT-HCG-1/2	Compression tool kit (Gun, 1/2" Frame, Inserts A & B)
HCG-CC	Compression gun, 2 batteries, and battery charger

Compression Tool Press Frames & Inserts	
HCG-FRAMESET-1/4	1/4" Press frame with inserts
HCG-FRAMESET-1/2	1/2" Press frame with inserts A & B
HCG-FRAMESET-78	7/8" Press frame
HCG-FRAMESET-158	1-5/8" Press frame
HCG-FRAMESET-114	1-1/4" Press frame
HCG-INSERTA-1/2	1/2" insert (Type A) use with DIN and Right Angle connectors
HCG-INSERTB-1/2	1/2" insert (Type B) use with N type connectors

Miscellaneous Tools

TQ-114-F18	1-1/4" Torque Wrench, 18 ft-lbs (DIN)
TW1412	3/4" Torque Wrench, 14 in-lbs (PPC Only N Type)
NW-BTS-PPC	3/4" Extension BTS Wrench (N Type)
GATOR	Center conductor cleaning tool
RDCUTTER	Red single blade corrugated & smooth wall cable cutter



Preparation Tools

1/4" Cable Preparation Tools & Replacement Parts	
SP-1/4-UNIV	Cable preparation tool for 1/4" FSJ1 cable
SP-1/4-LDF1	Cable preparation tool for 1/4" LDF1 cable
RCBL-SP-1/4-1/2	Replacement Step 1 blades only, 1/4 & 1/2" SP tools (qty=5)
RPK-SP-1/4-UNIV	Complete replacement blades & parts for SP-1/4-UNIV
RPK-SP1/4-LDF1	Complete replacement blades & parts for SP-1/4-LDF1

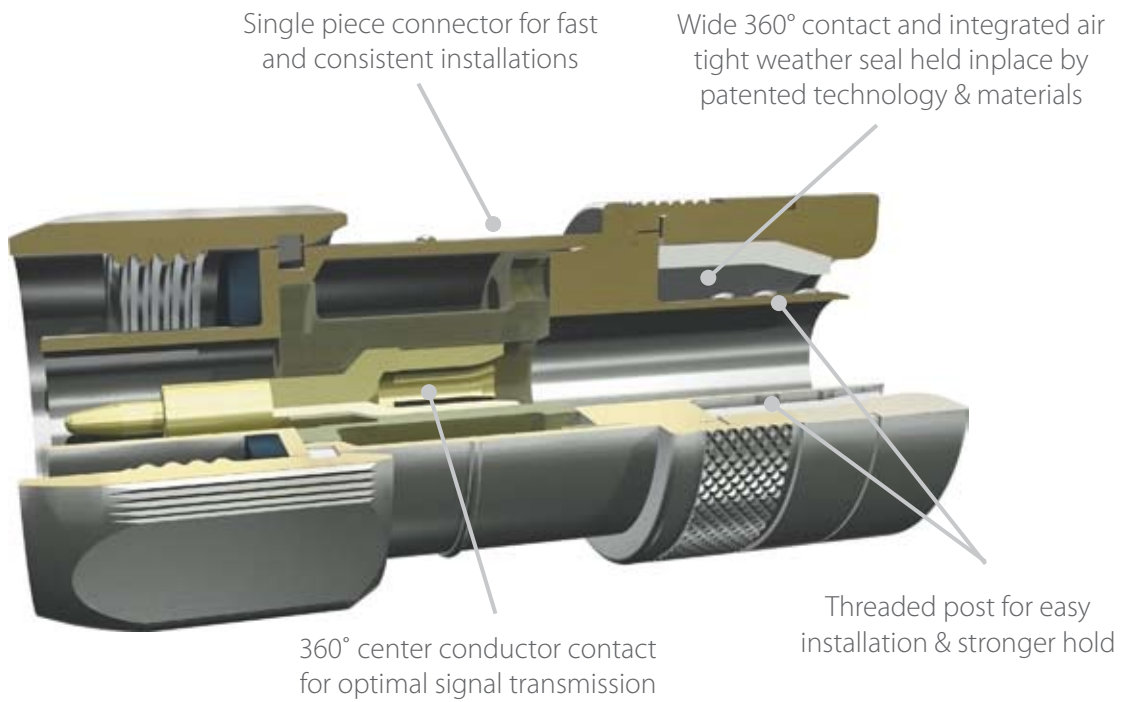
1/2" Cable Preparation Tools & Replacement Parts	
SP-1/2-UNIV	Cable preparation tool for 1/2" FSJ4 cable
SP-1/2-LDF4	Cable preparation tool for 1/2" LDF4 & LCF12
SP-1/2-LDF4-DR	Drill Drive Cable preparation tool for 1/2" LDF4 & LCF12
SP-1/2-SCF4	Cable preparation tool for 1/2" SCF4 RFS cable
SP-500	Cable preparation tool for SFX500 cable
SP-540	Cable preparation tool for CR540 & FXL540 cable
RBK-SP-1/2-UNIV	Complete replacement blades for SP-1/2-UNIV & SP-1/2-LDF4
RPK-SP-1/2-UNIV	Complete replacement blades & parts for SP-1/2-UNIV
RPK-SP-1/2-LDF4	Complete replacement blades & parts for SP-1/2-LDF4
RPK-SP-1/2-LDF4-DR	Complete replacement blades & parts for SP-1/2-LDF4-DR
RPK-SP-1/2-SCF4	Complete replacement blades & parts for SP-1/2-SCF4
RPK-SP-1/2-540	Complete replacement blades & parts for SP-540
CT500/540	Center conductor cleaner for CR540/FXL540 & SFX500 cable

7/8" Cable Preparation Tools & Replacement Parts	
SP-78	Cable preparation tool for 7/8" corrugated cable
RPK-SP-7/8	Complete replacement blades & parts for SP-78
SP-780	Cable preparation tool for 7/8" smooth wall cable

1-1/4" Cable Preparation Tools & Replacement Parts	
SP-114	Cable preparation tool for 1-1/4" corrugated cable
SP-1480	Cable preparation tool for 1-1/4" smooth wall cable

1-5/8" Cable Preparation Tools & Replacement Parts	
SP-158	Cable preparation tool for 1-5/8" corrugated cable
SP-1873	Cable preparation tool for 1-5/8" smooth wall cable
RPK-SP-158	Complete replacement blades & parts for SP-158

Comp Pro® Compression Connectors for Braided Cable



Comp Pro® Connectors & Tools for Braided Cable

Connectors

400 Size Connectors	
COMP-DM-400	50 Ohm connector, DIN Male interface for 400 size cable
COMP-NM-400	50 Ohm connector, N Male interface for 400 size cable
COMP-NM-400PL	50 Ohm connector, N Male interface for 400 size Times® plenum cable
COMP-NF-400	50 Ohm connector, N Female interface for 400 size cable
COMP-NRA-400	50 Ohm Right Angle connector, N Male interface for 400 size cable
COMP-NRA-400PL	50 Ohm Right Angle connector, N Male interface for 400 size Times® plenum cable
COMP-TM-400	50 Ohm connector, TNC Male interface for 400 size cable
COMP-TM-400PL	50 Ohm connector, TNC Male interface for 400 size Times® plenum cable
COMP-TRA-400	50 Ohm Right Angle connector, TNC Male interface for 400 size cable
COMP-TRA-400PL	50 Ohm Right Angle connector, TNC Male interface for 400 size Times® plenum cable
COMP-TFRP-400	50 Ohm connector, TNC Female, Reverse Polarity for 400 size cable
COMP-TMRP-400	50 Ohm connector, TNC Male, Reverse Polarity for 400 size cable

600 Size Connectors	
COMP-DM-600	50 Ohm connector, DIN Male interface for 600 size cable
COMP-NM-600	50 Ohm connector, N Male interface for 600 size cable
COMP-NF-600	50 Ohm connector, N Female interface for 600 size cable
COMP-NRA-600	50 Ohm Right Angle connector, N Male interface for 600 size cable
COMP-TM-600	50 Ohm connector w/ TNC Male interface for 600 size cable
COMP-TRA-600	50 Ohm Right Angle connector w/ TNC Male interface for 600 size cable
COMP-TRA-600PL	50 Ohm Right Angle connector, TNC Male interface for 600 size Times® plenum cable



Tools

Complete Tool Kits	
KIT400	Prep and compression tool kit for 400 size connectors
KIT600	Prep and compression tool kit for 600 size connectors

Cable Preparation Tools and Replacement Parts	
SDT400-50	Strip/prep tool for 400 size cable
RC400-50	Replacement cartridge for SDT400-50
SDT600-50	Strip/prep tool for 600 size cable
RC600-50	Replacement cartridge for SDT600-50

Cable Cutters	
CXCCABLECUTTE	Yellow dual blade cable cutter

Torque Wrenches	
TW08X14MM	Torque wrench, 8 inch-lbs for TNC type connectors
TW1412	Torque wrench, 14 inch-lbs for N type connectors

Marking Caps and Pen	
MCAP400	Marking cap for 400 size cable (qty=2)
MCAP600	Marking cap for 600 size cable (qty=2)
PEN-50	White cable marking pen

Compression Tools, Insertion Tools & Adapters	
VT500	Compression tool, ratchet, 500 size and below
VT600	Compression tool, ratchet, 600 size and below
IT50NM	Insertion tool, N Male
IT50TA	TNC adapter for IT50NM insertion tool





Customer Service That's Second to None

From innovative product solutions to world-class lead times, PPC backs every product with customer service and sales expertise unmatched in our industry. Our goal is to provide our customers with the fastest, most efficient and cost-effective solutions to make your business thrive.

PPC's Customer Service Department operates from 8:00 a.m. to 6:30 p.m. (EST), Monday through Friday, to answer your questions and help you find the products and solutions you need, when you need them.

PPC WORLD HEADQUARTERS

6176 East Molloy Road
East Syracuse, New York 13057-0278

TEL: **315-431-7200**

ALT: **800-800-6652**

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EMAIL: **customerservice@ppc-online.com**



Corrugated Connector Cross Reference

MNFT	Cable Size	Cable Type	Revision Detail	Connector Part#	Prep Tool	Coring Bit	Guide Pin
RFS	1/2"	SCF12	All Revs	CC-XXX-SCF12	SP-1/2-UNIV (hand tool)	1**	N/A
RFS	1/2"	SCF12	All Revs	CC-XXX-SCF12	SP-1/2-UNIVD (drill tool)	2	N/A
RFS	1/2"	LCF12	All Revs	CC-XXX-L4	SP-1/2-LDF4 or SP-1/2-LDF4D	1	N/A
RFS	7/8"	LCF78	Rev J and Older Revs Only	CC-XXX-L5	SP-78	2***	B***
RFS	7/8"	LCF78	Rev JA Only	CC-XXX-JA5	SP-78	2***	A***
RFS	1-1/4"	UCF114	All Revs	CC-XX-U6	SP-114	2	C
RFS	1-5/8"	LCF158	Rev J and Older Revs Only	CC-XX-L7	SP-158	1	B*
RFS	1-5/8"	LCF158	Rev JA Only	CC-XX-JA7	SP-158	1	A*
Andrew	1/2"	FSJ4	All Revs	CC-XX-F4	SP-1/2-UNIV (hand tool)	1**	N/A
Andrew	1/2"	FSJ4	All Revs	CC-XX-F4	SP-1/2-UNIVD (drill tool)	1	N/A
Andrew	1/2"	LDF4 & HL4RP	All Revs	CC-XX-L4	SP-1/2-LDF4 or SP-1/2-LDF4D	1	N/A
Andrew	7/8"	AVA5 & AL5	All Revs	CC-XX-A5	SP-78	1***	A***
Andrew	7/8"	LDF5	All Revs	CC-XX-L5	SP-78	2***	B***
Andrew	7/8"	VXL5	All Revs	CC-XX-V5	SP-78	2***	C***
Andrew	1-1/4"	AVA6 & AL6	All Revs	CC-XX-A6	SP-114	1	A
Andrew	1-1/4"	LDF6	All Revs	CC-XX-L6	SP-114	2	B
Andrew	1-5/8"	AVA7 & AL7	All Revs	CC-XX-A7	SP-158	1	A*
Andrew	1-5/8"	LDF7	All Revs	CC-XX-L7	SP-158	1	B*
Andrew	1-5/8"	VXL7	All Revs	CC-XX-V7	SP-158	1	C
CommScope	1/2"	SFX500	All Revs	CC-XXX-S4	SP-500	N/A	N/A
CommScope	1/2"	CR540 & FXL540	All Revs	CC-XXX-540	SP-540	N/A	N/A
CommScope	7/8"	FXL780 & CR780	All Revs	CC-XX--780	SP-780	N/A	N/A
CommScope	1-5/8"	FXL1873 & CR1873	All Revs	CC-XX-1873	SP-1873	N/A	N/A
NK Draka	1/2"	RFF1200	All Revs	CC-XXX-RFF4	SP-1/2-UNIV (hand tool)	3	N/A
NK Draka	1/2"	RFF1200	All Revs	CC-XXX-RFF4	SP-1/2-UNIVD (drill tool)	3	N/A
NK Draka	1/2"	RFA1200	All Revs	CC-XX-L4	SP-1/2-LDF4 or SP-1/2-LDF4D	2	N/A
NK Draka	7/8"	RFA78	All Revs	CC-XX-RFA5	SP-78	2***	A***
NK Draka	1-1/4"	RFA114	All Revs	CC-XX-RFA6	SP-114	1	B
NK Draka	1-5/8"	RFA158	All Revs	CC-XX-RFA7	SP-158	1	C
Eupen	1/2"	EC4HF	All Revs	CC-XXX-EC4HF	SP-1/2-UNIV (hand tool)	1**	N/A
Eupen	1/2"	EC4HF	All Revs	CC-XXX-EC4HF	SP-1/2-UNIVD (drill tool)	1	N/A
Eupen	1/2"	EC4	All Revs	CC-XXX-L4	SP-1/2-LDF4 or SP-1/2-LDF4D	2	N/A
Eupen	7/8"	EC5	All Revs	CC-XX-EC5	SP-78	1***	A***
Eupen	1-1/4"	EC6	All Revs	CC-XX-EC6	SP-114	1	A
Eupen	1-5/8"	EC7	All Revs	CC-XX-EC7	SP-158	1	A*

XX/XXX	DM	Din Male	* For old SP-158 prep tools	* For old SP-78 prep tools
	DF	Din Female		
	NM	N Male		
	NF	N Female	** For old SP-1/2-UNIV prep tools	1 = AL/AVA/RFS
	DRA	Din male Right Angle		
	NRA	N Male Right Angle		
			A = unmarked	2 = LDF/VXL
			B = LDF	A = AL/AVA/RFS
			1 = unmarked	B = LDF
				C = VXL

Terms & Conditions

* **MINIMUM ORDER: \$100.00**

* **PAYMENT TERMS: Net 30 days from date of invoice.**

* **F.O.B. POINT: EXW Shipping Point**

PROVISIONS:

1. No modification of the terms hereof shall be effective unless made in writing and signed by both parties. Acceptance of this Agreement must be made on its exact terms, and if additional or different terms are proposed by the Buyer, the Buyer's response shall constitute a counter offer, at PPC approval.

2. Payment terms are net 30 days, after rendering PPC Invoice.

3. Delivery terms are F.O.B. at PPC Facility in Syracuse, New York. Risk of loss shall pass to Buyer upon delivery to carrier at PPC plant. Dates of delivery are determined from the date PPC acceptance of any order or orders by Buyer and are estimates of approximate dates of delivery, not a guaranty of a particular day of delivery. PPC shall not be liable for failure or delay in shipping products hereunder if such failure or delay is due to an act of God, fire, flood, sabotage, war, labor difficulties, accidents, riot, insurrection, act of any governmental authority, priorities granted at the request or for the benefit directly or indirectly of any government or agency thereof, shortage of raw materials, inability to meet current sales requirements, non-performance by vendors or subcontractors, or any cause reasonably beyond the control of PPC.

4. No agent, employee or representative of PPC has any authority to bind PPC to any affirmation, representation or warranty concerning the products sold under this Agreement and unless an affirmation, representation or warranty made by employee or representative is specifically included within this written Agreement, it is not part of the basis of the bargain and shall not be enforceable against PPC.

5. If the products to be prepared or manufactured according to Buyer's specifications, the Buyer shall indemnify PPC against any liability for product performance or patent or trademark infringement on account due to such preparations or manufacture.

6. Any tax imposed by Federal, State or other Governmental authority on the sale of the products referred to in this Agreement shall be paid by the Buyer in addition to the purchase price.

7. PPC warrants each product delivered pursuant to this Agreement shall be free of defects in design, material, and workmanship under the normal use and service for which the products are intended.

The obligation of PPC is limited to the correction, or replacement at its factory or, at PPC option, at the Buyer's facility, of any product defects provided:

(a) **LIMITED WARRANTY:** PPC warrants manufactured products to be free of defects under condition of normal use for ninety (90) days after delivery to the original Buyer. This warranty does not apply to products which have been disassembled or modified or subjected to condition exceeding the specifications or set ratings by PPC Engineering.

Within the 90 days after delivery to the original Buyer, any PPC product suspected to be defective should be returned to PPC. Upon verification of the sample defect, PPC will, at its option, repair or replace the defective unit(s) and return, freight collect, to the Buyer. In no event does PPC assume liability for incidental or consequential damages. This warranty is the extent of the obligation or liability assumed by PPC with respect to its products and no other warranty or guarantees are expressed or implied including suitability or fitness for the intended purpose of the product. PPC reserves the right to make design changes without notice on any of its manufactured products and without any obligation to make the same or similar changes to units previously manufactured.

(b) **RETURN OF MATERIAL:** Products will not be accepted for return without advance written approval or a verbal return authorization number issued from PPC Customer Service Department. All returns must be freight prepaid. Returned material will be subject to a restocking charge. Material not returned in a resalable condition will be held for thirty (30) days for the customer disposition and/or scrapped, and the appropriate scrap value will be credited to the customer's account. Appropriate manufacturer's warranties will apply to all products supplied by PPC but manufactured by others. This warranty is in lieu of all other warranties, expressed or implied, and does not apply to any products of PPC which may have been subjected to unauthorized repair or alteration or which have been subjected to misuse or abuse, and neither assumes or authorizes any person to assume for it any other liability in connection with its products. PPC SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR OTHER TYPE DAMAGES RESULTING FROM THE USE OF ANY PPC PRODUCTS OTHER THAN THE LIABILITY STATED ABOVE. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE.

8. Terms of payment shall be subject to approval of PPC Credit (Accounting) Department and in case of doubt arising at any time as to Buyer's financial responsibility, production may be stopped and shipments suspended until satisfactory assurances are received. PPC shall be under no obligation to make any shipment when Buyer is in default hereunder or under any other sales agreement between PPC and Buyer.

9. **Security for Payment.** To secure the payment of any unpaid balances the Buyer does hereby transfer, set over, grant, and convey to PPC a security interest in the products and each of the parts thereof delivered pursuant to this Agreement together with all replacement parts, additions, repairs and accessories incorporated thereto and/or hereafter affixed thereto; to have and to hold the said security interests in said products and each of the parts thereof forever provided however, if Buyer shall make or cause to be made according to the terms hereof, payment in full, in cash for the products and shall keep and perform the covenants and agreements herein contained, then this transfer shall be void; otherwise to remain in full force and effect.

10. **Attorney in Fact.** Buyer hereby irrevocably appoints PPC assignee its attorney in fact to file any financing statements or other documents and agreements to do what PPC or its assignee may deem necessary to continue to perfect the security interests created by this Agreement and to protect the products and each of the parts thereof.

11. PPC will comply with all applicable Federal, State and local laws and specifically represents that any products to be delivered hereunder will be produced in compliance with the requirements of the Fair Labor Standards Act of 1938 as amended.

12. This Agreement shall be governed by the laws of the State of New York. PPC has made every effort to assure the accuracy of the information contained in this document. We are, however, not responsible for any errors and/or omissions.

13. For any cancelled order, the customer will be liable for all charges incurred by PPC for costs associated with the manufacturing of the product up to the date of cancellation. This can be up to 100% of the value of the product based on the disposition of the materials at the time the order is cancelled. Trap/filter orders are subject to a 100% fee due to the customization of design for each part. In keeping with ongoing product improvement, we reserve the right to make product changes at any time without notice. We will be pleased to assist our customers in the proper selection of our product line, however, the final responsibility for assuring that the product selected is suitable for the application rests with the user. Prices and/or terms are subject to change without notice.



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