

PRODUCT FAMILY



DESCRIPTION

POLY-CHEM™ SHRINK SLEEVES

FEATURES



- >> Maximum **MOISTURE PROTECTION**
- >> **EASY** installation and re-entry
- >> Shrinks uniformly 100% **EVERY TIME**
- >> **NO** heat, flame or tools required
- >> **NO** special skill sets required to perform shrink
- >> **SUPERIOR** low temperature flexibility
- >> Sleeves **DESIGNED** for maximum moisture protection when fitted on outdoor passive components

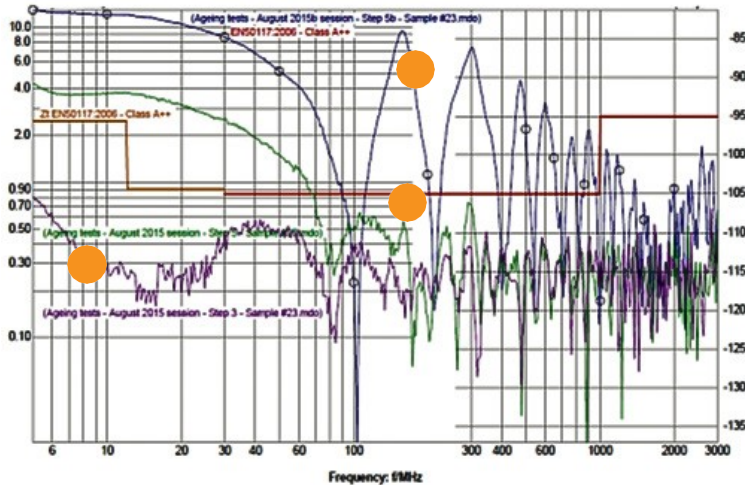
...introducing a new generation of protection



Contech research data shows that already after 40 days of operation without moisture and corrosion protection signal deterioration becomes evident

It is only a matter of time until the next service call can be expected...

BLUE: CONNECTION TESTED AFTER 40 DAYS IN OPERATION



PURPLE: SIGNAL LEVEL FOR A NEWLY INSTALLED CONNECTION

GREEN: CONNECTION TESTED AFTER 5 DAYS IN OPERATION

WHY PAY FOR avoidable truck rolls?

RELIABLE high-end passives together with the technological **BREAKTHROUGH** of poly-chem™ shrink sleeves, provides a robust, weather proofed sealing interface. Preventing signal integrity issues, service disruptions and truck rolls. Weather proofing should not be a time consuming business, the shrink sleeves are a tool-less easy-to-use solution that fits in small spaces and that can be installed quickly.

We have over **50 YEARS** experience in rubber chemistry and poly-chem technology and over **60 YEARS** of engineering expertise in designing outdoor passives.

Let us become your reliable partner and **SEAL** your **GROWTH**

INCREASE
revenue
streams
&
customer
satisfaction

Over the years extensive studies have been carried out on the most common and severe issues associated with connectors that positively leads to network anomalies and expensive truck rolls. Six common and less awesome findings are presented below:

FACT
one



CONNECTORS ARE NOT FULLY TIGHTENED AT INSTALLATION

by reviewing repeat service calls within 60 days the actual amount of loose connectors can be determined...

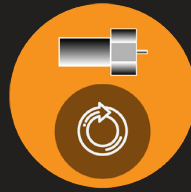
FACT
two



CONNECTORS FULLY TIGHTENED AT INSTALLATION BUT LOOSEN DUE TO TEMPERATURE CYCLING

the operating environment has to be considered as a random process so disturbances like vibrations also affects tightness of connectors...

FACT
three



DEFORMATION OF PORTS, WHEN TIGHTENING DOWN THE F CONNECTOR

it is possible to deform the port, especially zinc die cast ports. In addition, ports do not always meet the exacting standards required in today's market...

FACT
four



F PORT TOLERANCE ISSUES

zinc die cast ports vary in terms of outer diameter tolerances, in many cases they actually taper from top-to-bottom. In addition, plating thickness varies immensely, as does the thread pitch. All this adds to an immense variation production run by production run, resulting in a wide variation of mating F ports...

FACT
five



WATERPROOFING

it is essential to ensure no moisture is allowed into the connection since it causes corrosion, CPD, etc...

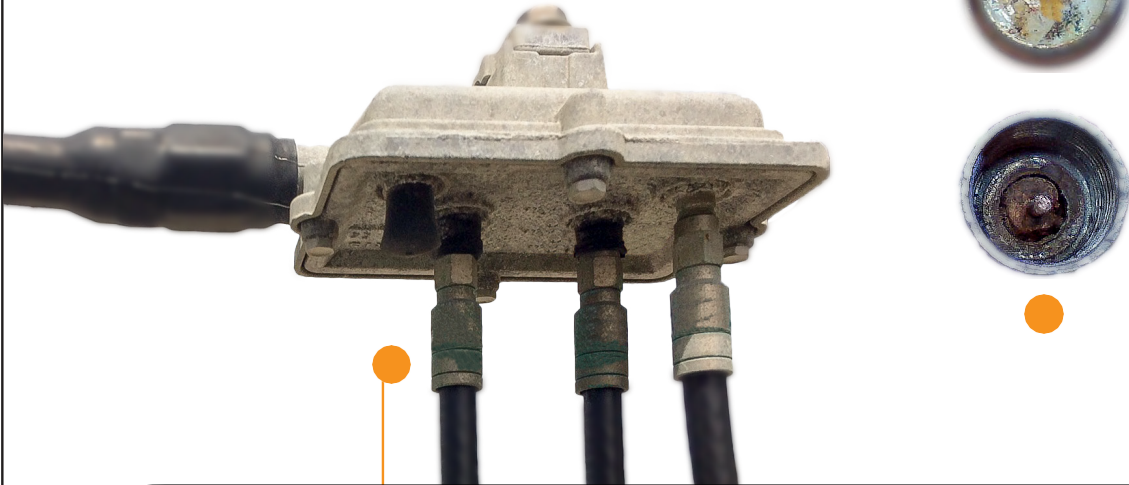
FACT
six



SYSTEM SECURITY

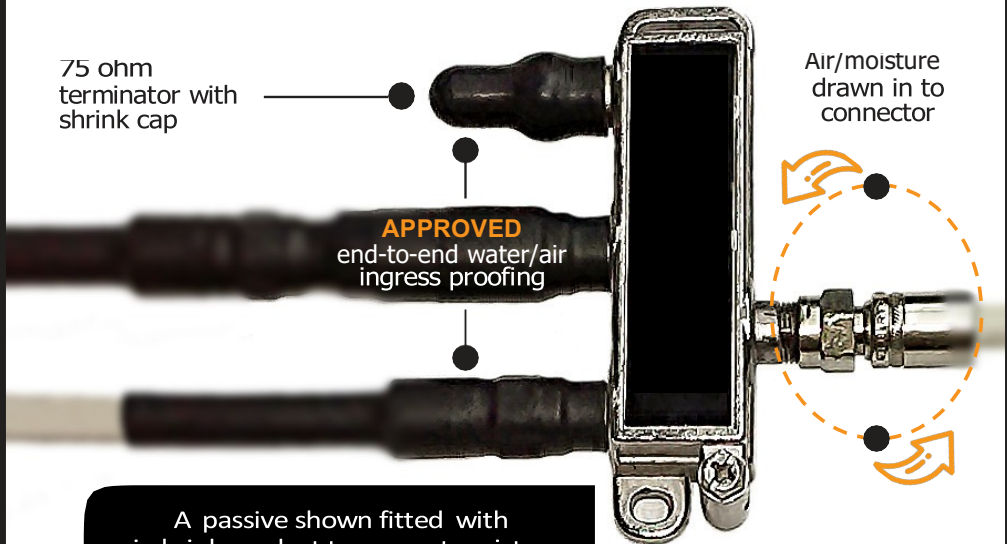
When connectors are left exposed, it becomes an open invitation to subscribers to remove. By encapsulating the drop port, connector front, connector back and cable with an EPDM air shrink these problems are eliminated. By encapsulating the complete connection, you are able to hold the installed connectors in place, the connectors do not loosen...

REAL EVIDENCE



Example of an outdoor passive installed in open air, near seafront location with salt and moisture corrosion clearly evident

NOIUTOS SOLUTION



A passive shown fitted with airshrink product to prevent moisture ingress and thus eliminate corrosion

MAXIMISING
moisture protections



Teleste passive with airshrink fitted



Airshrink fitted over in-line splice

PICTURE GALLERY



Fly-lead fitted with airshrink end caps over connectors



MINIMISING
costly service calls

Contech easy removal tool and airshrink packaging

PHYSICAL PROPERTIES

POLY/CHEM SHRINK - PHYSICAL PROPERTIES		
PROPERTIES	VALUE	TEST METHODS
TENSILE STRENGTH	1800 psi	ASTMD-412
ELONGATION	400%	ASTMD-412
DUROMETER	60 Shore A	ASTMD-2240
SPECIFIC GRAVITY	1.35	STMD-792
HEAT AGING	90% Ret.	168 hrs@ 136°C
WATER ABSORPTION	<.05%	ASTMD-570
SERVICE TEMP. RANGE	-55°C to+ 150°C	MS-202C
DIELECTRIC STRENGTH	800 V/MIL	ASTM D-876

ORDERING INFORMATION

ORDERING INFORMATION		
EPDM SHRINK TUBING FOR F-CONNECTOR DROP APPLICATIONS		
PART NUMBER	APPLICATION	QUANTITY
PCS-RG59/6	F Boot RG59 or 6	4, 10, 20
PCS-RG11	F Boot RG 11	2, 4,10
PCS-RG7	F Boot RG7	2,4,10
PCS-CAP-RG59/6	Disconnect Cap RG59/6	4, 10, 20
PCS-CLEAR-RG59/6	Clear 1.D. Sleeve	4, 10, 20

EXAMPLE: PCS-RG59/6-20, i.e. RG59/6 Boot 20 pieces per pouch
 STANDARD COLORS: Black for F Boots & Splices, Red for Disconnect Caps
 Other colors, sizes and lengths available at request

5 YEAR
shelf life