

# RAYCHEM MATCHED IMPEDANCE SPLICES

FAST, EASY REPAIRS THAT MAINTAIN THE COAXIAL CABLE'S  
ELECTRICAL CHARACTERISTICS

## MATCHED IMPEDANCE

- Maintains cable's electrical properties
- Meets MIL-PRF-32517 performance requirements
- Matches cable's impedance +10%/-3%

## TIME AND COST SAVING

- Repairs made in situ
- No need to remove or replace cable

## SEALED

- Heat-shrinkable outer layer plus thermoplastic adhesive for sealing and strain relief

## ROBUST

- Withstands high vibration
- Corrosion resistant
- Wide temperature range
- Excellent fluid resistance
- Suitable for high EMI environments

## APPLICATIONS

- Military Aerospace
- Commercial Aerospace

With the matched impedance splice, TE Connectivity (TE) solves the problem of costly removal and replacement of damaged coaxial cable. Not only does the new splice allow fast, easy repair of the cable in situ, it maintains the characteristic impedance and other electrical properties. System performance is not affected by the repair.

## SAVE TIME AND MONEY

Removing and replacing a damaged coaxial cable can be time consuming and expensive. The matched impedance splice's ability to be applied without removing the cable can significantly speed the repair, saving time and cost.

## SIMPLE AND EFFECTIVE

The splice contains three components: a hexagonal crimp barrel for the center conductors, a dielectric shell that helps maintain cable geometry for impedance control, and a SolderShield splice that both terminates the cable's shield and provides sealing to protect the splice environmentally.

The SolderShield splice uses a flux-coated, solder-impregnated copper shield inside an adhesive-lined, heat-shrinkable sleeve. The completed assembly provides an environmentally sealed termination and strain relief.

## TE Components . . . TE Technology . . . TE Know-how . . .

AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Polamco | Raychem | Rochester | DEUTSCH  
SEACON Phoenix | L.L. Rowe | Phoenix Optix | AFP | SEACON

Get your product to market faster with a smarter, better solution.

# Raychem Matched Impedance Splices

Fast, Easy Cable Repair

## SPECIFICATIONS

### Electrical

<b>Impedance:</b>	MIL-PRF-32517
<b>Insertion Loss:</b>	MIL-PRF-32517
<b>Return Loss:</b>	MIL-PRF-32517
<b>Insulation Resistance:</b>	5000 MΩ

### Environmental/Mechanical

<b>Altitude Immersion:</b>	75,000 ft
<b>Heat Aging:</b>	750 hr. at +165°C
<b>Temperature Range:</b>	-55° C to 150°C

### Cable Compatibility

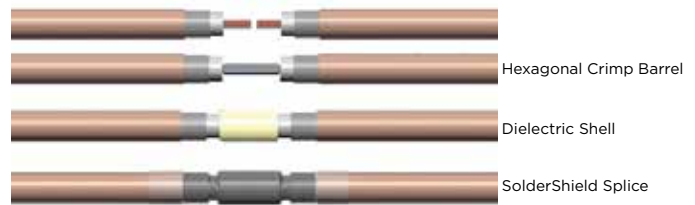
<b>Cable Types:</b>	RG-393
---------------------	--------

### TE Specifications

<b>Application Specification:</b>	D-6204
<b>Product Specification:</b>	D-6204
<b>Qualification Test Reports:</b>	HT4203 (for D-150-Z393)
<b>Installation Instructions:</b>	RPIP-1108

## PART NUMBERS

Cable Type	Part Number
RG-393	D-150-Z393



[te.com/matched-impedance-splice](http://te.com/matched-impedance-splice)

© 2016 TE Connectivity Ltd. family of companies. All Rights Reserved.

1-1773880-4 05/16

Raychem, SolderShield, TE, TE Connectivity and the TE connectivity (logo) are trademarks of the TE Connectivity Ltd. family of companies.

Other product or company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information herein, nothing herein constitutes any guarantee that such information is error-free, or any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. The TE entity issuing this publication reserves the right to make any adjustments to the information contained herein at any time without notice. All implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose are expressly disclaimed. The dimensions herein are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice.

Consult TE for the latest dimensions and design specifications.

North America +1 800 522 6752 • Asia Pacific +86 400 820 6015 • France +33 1 34 20 86 86 • Germany +49 6251 133 1999 • United Kingdom +44 800 267 666  
Visit [te.com](http://te.com) for additional country contacts.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Solder Sleeves & Shield Tubing](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[899170-000](#) [620040N001](#) [620069N003](#) [CTA-0050-01](#) [629624-000](#) [6500750004](#) [6501390002](#) [CX0781-000](#) [696396-000](#) [697080-000](#) [D-150-0331CS2902](#) [D-181-1222-90/9CS2800](#) [D-300-01CS1108](#) [715325N001](#) [908357N001](#) [982127-1](#) [D-436-0182CS246](#) [D-436-37CS2651](#) [D-436-61CS246](#) [D-436-82-CS2621](#) [D-659-0087](#) [E53797N001](#) [CB0213-000](#) [CB0219-000](#) [S200-2-01](#) [S200-4-00CS2904](#) [LSS-81-16AA-CS5575](#) [ST18-2-00](#) [FLX40-020-04-CS8651](#) [325534-000](#) [CTA-0025](#) [D-108-07CS436](#) [D-128-0010](#) [D-141-0108CS404](#) [D-144-41CS1371](#) [D-150-0231-NRCS2896](#) [D-150-1011](#) [395947-000](#) [427243N001](#) [B-801-18-01](#) [515-9](#) [C67137-000](#) [CB0220-000](#) [D-436-0185CS1102](#) [D-436-36CS2908](#) [D-436-37CS2908](#) [D-436-52CS246](#) [D44133N001](#) [LSS-26-8A](#) [626168-000](#)