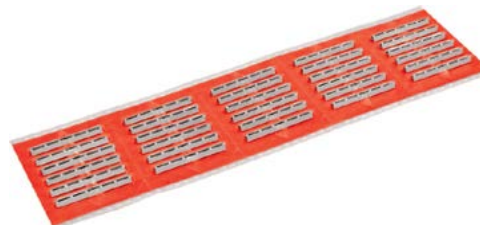


# Crimp splice protection (CSS)



## Features & Benefits

- Dimensions single element: 30 x 3 x 1.2 mm (W x H x D)
- Packaging unit: 150 CSS in a carton (5 strips of 30 pieces each)
- Recommended crimp thickness: 1.2 mm  $\pm$  0.05 mm
- Transport simulation/ ageing test/ temperature change: -25°C to +75°C; 20 cycles over 8 days
- Bending test: vertical in longitudinal axis and flat in longitudinal axis
- Testing the protective mass: injection force and flow rate



## Overview

The crimp splice protection element (CSS) is a V-shaped metal sleeve designed to protect fiber optic fusion splices within fiber optic splice cassettes and enclosures. Unlike heat-shrink splice protectors that require curing time in an oven, the CSS can be applied by simply folding it over the connection point of the fused fibers. This mechanical process of protecting fiber splices provides the fastest and most convenient method of protecting fibers in the field. The elastic compound lining of the CSS, provides a cushioned protection of the fiber joint and prevents the splice from being affected by extreme environmental influences. The CSS can be used for optical fibers with an outer diameter up to 250  $\mu$ m and when applied correctly, will not add any attenuation to the optical link. CSS sleeves are supplied in a purpose-made blister packaging for convenient handling and protection during transportation. Blister packs are also re-sealable in the case where not all sleeves in the package are required. One complete package contains 5 blister tape strips of 30 splice protection elements (including assembly instructions). The blister tape strip each consist of 5 groups of 6 crimp splice protection elements. These groups of 6 units can be separated at a pre-determined breaking point. This type of packaging ensures easy and safe removal of the splice protection elements. The CSS can be applied by inserting it into any purpose-made tool designed for crimp splice protection.

## Technical Data

### Testing of spliced fusions

A spliced fiber which is protected within the CSS splice protection element is subjected to the following consecutive tests without any attenuation change of more than 0.1 dB. The measurements are made at a wavelength of 1550 nm.

- Dry heat according to DIN EN 61300-2-18; 4 days at +85°C
- Cold according to DIN EN 61300-2-17; 4 days at -40°C
- Humid heat according to DIN EN 61300-2-19; 4 days at 40°C and a relative humidity of 93
- Temperature change according to DIN EN 61300-2-22; 12 cycles over 3 days from -40°C to +70°C
- Vibration test according to EN 60068-2-27; 3 hours at frequencies of 10-500 Hz
- Shock test according to EN 60068-2-27 with 15 g

## Ordering Information

Description	Part Number
Crimp splice protection (CSS) blister packaging, incl. assembly instructions, PU 150	640002008-BLI
Crimp splice protection (CSS) blister packaging, incl. assembly instructions, PU 150. <b>Approved for Deutsche Telekom according to TS0338/96</b>	640002001-BLI

## Accessories

Description	Part Number
Press for Crimp splice protection (CSS)	SP-ANT-CRIMP-TOOL

This product may be protected by one or more patents • For further information, please visit: [www.ppc-online.com/patents](http://www.ppc-online.com/patents)

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