

CORNING

DRAFT

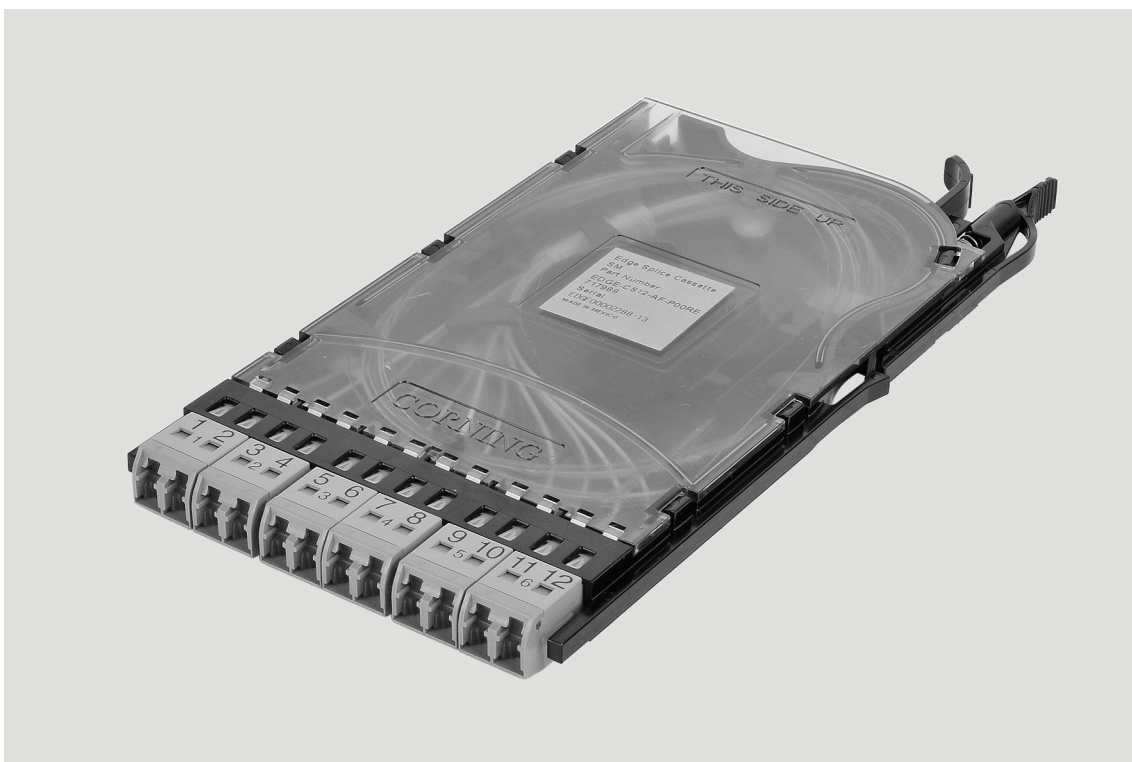
Montageanweisung Ausgabe 1, August 2013

Installation Instructions Issue 1, August 2013

Pretium EDGE™ Splice Cassette Pretium EDGE™ Field-Terminated Cassette

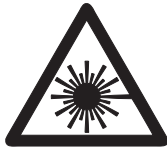
Diese Montageanweisung soll dem ausgebildeten Monteur, der die Installation durchführt, als Leitfaden dienen.

These installation instructions are provided as guidance for the trained craftsman carrying out the installation.



Warnung!

Laser-/LED Strahlung im nicht sichtbaren Spektrum möglich!
Bei unbekanntem Gefährdungsgrad der/durch Laser-/ LED
Strahlung niemals in offene Faserenden blicken.



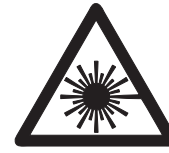
Achtung

Die Zuweisung des Gefährdungsgrades ist vom Anlagen-Einrichter/
Betreiber der Kommunikationseinrichtung endgültig zu bestimmen und
verantwortlich auszuweisen (z.B. Anbringen normgerechter Warnschilder
nach DIN EN /IEC 60825-1, gültige Ausgabe, Beachtung der BGV B2
„Laserstrahlung“, gültige Ausgabe).

Bei Änderung der technischen Daten, die den Gefährdungsgrad
beeinflussen, sind bei Notwendigkeit die Warnungen entsprechend
anzupassen und Arbeitssicherheitsvorkehrungen zu treffen, siehe z.B.
auch DIN EN/IEC 60825-2, gültige Ausgabe.

Warning!

Possible laser/LED radiation in the non-visible spectrum!
If it is not known if there is a laser/LED radiation hazard or not,
on no account look into open fibre ends.



Important

The assigned degree of hazard is for the manufacturer/operator of the
communication equipment to conclusively determine and to responsibly
indicate (e.g. by affixing standards-compliant warning labels as per DIN
EN /IEC 60825-1, current issue, by compliance with BGV B2 "Laser
Radiation", current issue).

If the technical data should change in a way that affects the degree of
hazard, the warnings must, if necessary, be amended accordingly and
work safety precautions must be taken. See also, DIN EN/IEC 60825-2,
current issue.

Content:

1. General
2. Cable preparation
3. Splice cassette installation
4. Colour coding
5. Field terminated cassette installation
6. Installation in housing

1. General

1.1 Product description

This instruction describes cable and housing installation
of Pretium EDGE™ Cassettes which can be ordered
with different variants (various LC connectors) in 2 main
configurations:

- with pre-installed pigtails - for splicing
- Field Terminated - for field-installable connectors,
pre-installed cable assemblies, or pigtails field
installation.

1.2 Set contents

a. Pretium Edge Splice Cassette

- Pre-installed pigtails
- Splice protectors (optional)
- Cable ties

b. Pretium EDGE Field-Terminated Cassette

- Cable ties

2. Cable preparation

2.1 Determine from which side the cable will enter the housing and remove 120 cm of jacket.

2.2 Strip all fibres to 250 µm.

3. Splice cassette installation

3.1 Wind end of buffer tube with insulation tape and place cable in the cassette entrance

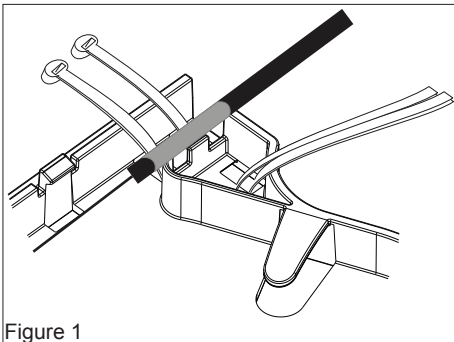


Figure 1

3.2 Secure buffer tube to splice cassette with attached cable ties

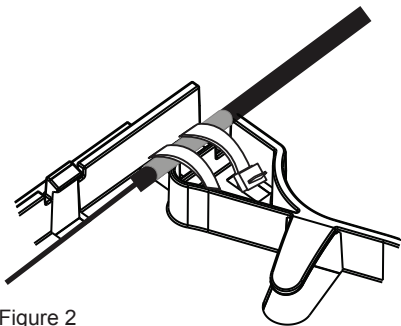


Figure 2

3.3 Temporarily route two full loops of 250 micron fibres into cassette as shown by the dashed line. Mark the splice point with a permanent marker and then cut fibre at mark in preparation for splicing. (Factory-installed pigtails are not shown for clarity.)

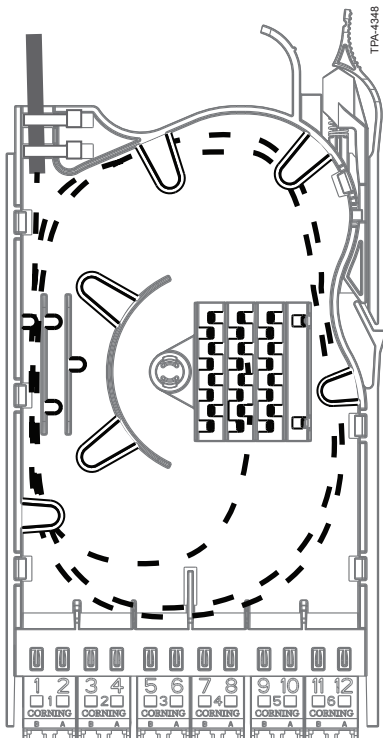


Figure 3

3.4 Splice all 12 fibres per standard company practices.

3.5 Once all splices are complete, route the bundle of spliced fibres as shown in Figure 4, storing fibres under the flanges to prevent them from being pinched when reinstalling the cover. It will be necessary to twist the fibres and flip them over to neatly route them inside the cassette.

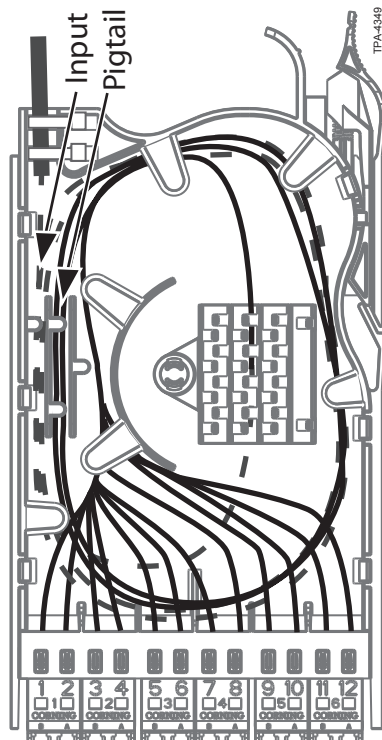


Figure 4

3.6 Insert all spliced protectors into the organizer.

4. Colour coding

Corning Cable Systems offers two different splice cassette colour code options: Telcordia or Universal colour code

4.1 Telcordia colour coding

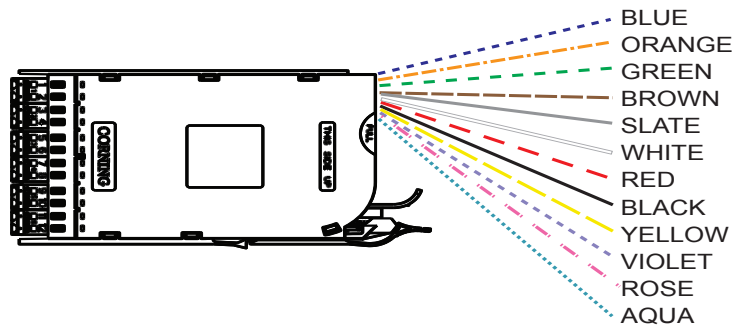


Figure 5

4.2 Universal colour coding

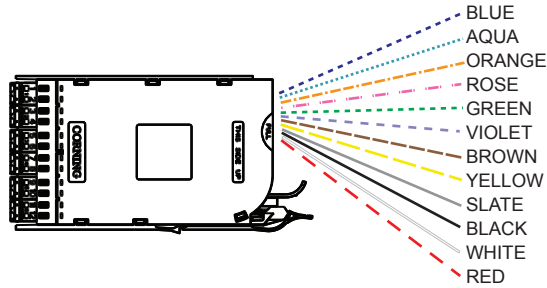


Figure 6

5. Field Terminated Cassette installation

5.1 Field-installable connectors.

5.1.1 Bring the cable into the empty cassette. It is recommended to use insulation tape over the end of the buffer tube

5.1.2 Secure buffer tube to splice cassette with attached cable ties

5.1.3 Strip fibres to 250 µm. For detailed installation refer to Corning Cable Systems Instruction delivered with Corning UniCam®/OptiSnap® connectors.

NOTE: Do not use boots when field terminating assemblies that will be routed in the cassette. Electrical tape may be used to hold fibres properly in place while routing.

5.1.4 Beginning with adapter 12, mate six connectors into adapters 7 through 12 and route the fibres as shown in Figure 7.

5.1.5 Then mate the last six connectors into adapters 1 through 6 and route the fibres as shown in Figure 8

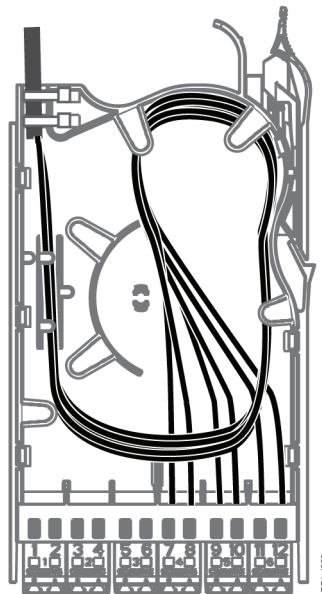


Figure 7

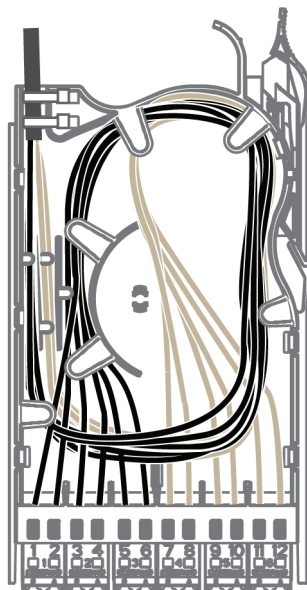


Figure 8

5.2 Pre-terminated cables can also be field-installed. For routing please check point 5.1.

NOTE: Connectors in pre-terminated cables **CANNOT** have boots.

5.3 Pigtails field-installation.

5.3.1 Remove boots and insert connectors into splice cassette adapters accordingly to required colour coding.

5.3.2 Route pigtails as shown in Figure 9

5.3.3 Strip fibres to 250 μ m in marked position

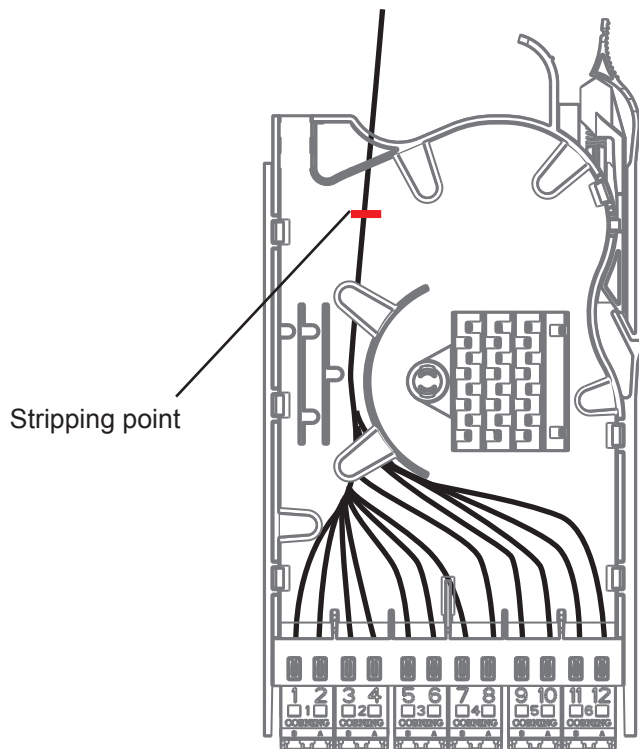


Figure 9

5.3.4 Route all stripped fibres as shown in Figure 10

5.3.5 Proceed with installation according to point 3 of this instruction

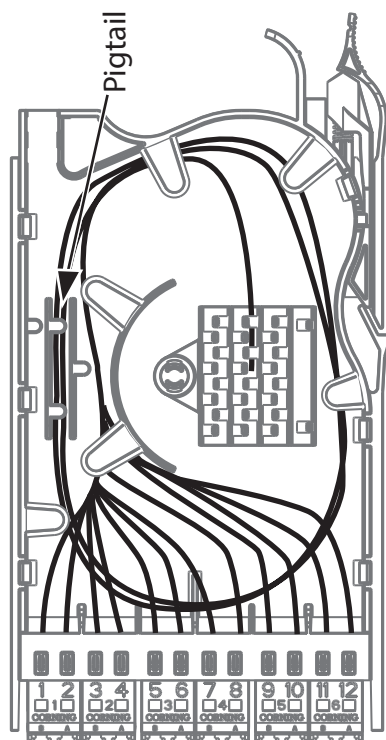


Figure 10

6. Installation in housing

6.1 Starting in the lower right corner of the housing as viewed from the rear (Figure 11), install the first cassette

6.2 Continue installing cassettes across the first row, then move to the next row, beginning again in the right corner. Strain-relieve cable sheath with cable tie as shown

6.3 Repeat Step 6.2 until all cassettes have been installed

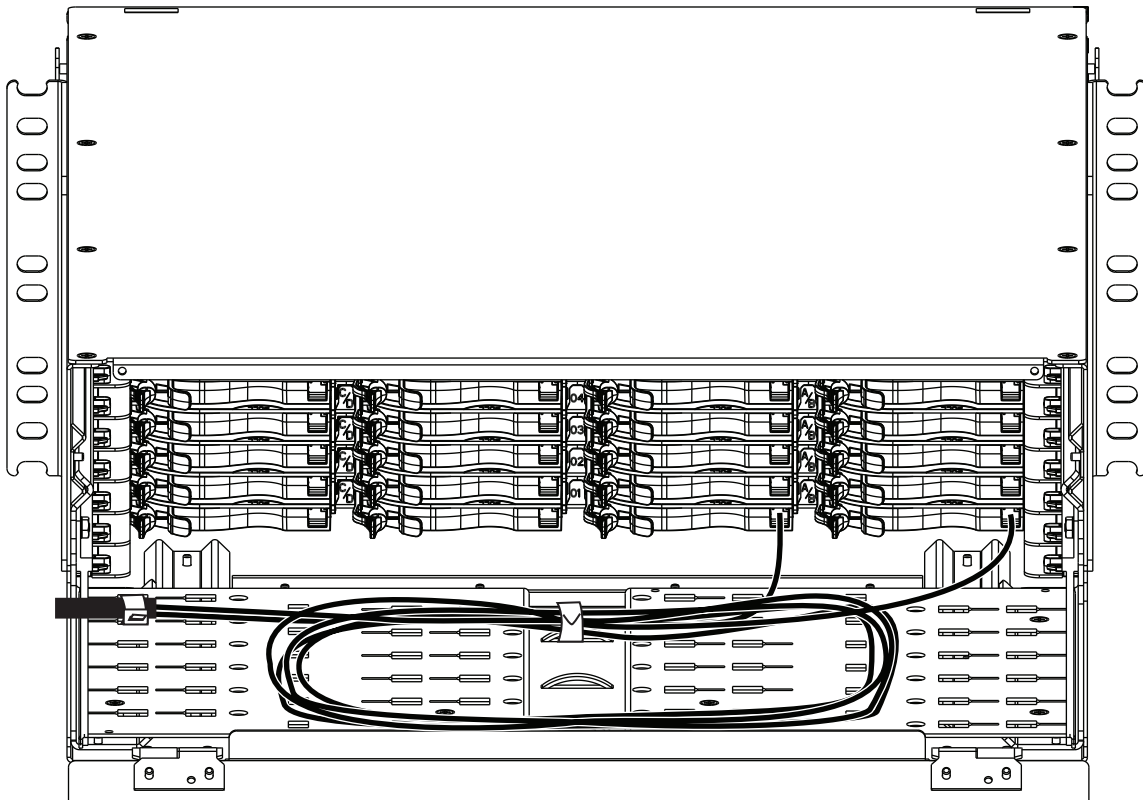


Figure 11

6.4 If not already done, loosely install a hook-and-loop strap through the lance in the baseplate to organize and secure the legs as a single uniform bundle. Make sure to leave enough slack to allow the tray to be pulled out without stressing or exceeding the minimum bend radius of the cable

Entsorgungshinweis

Die örtliche und aktuell gültige Gesetzgebung ist bei der Entsorgung der Produkte und deren Verpackung unbedingt zu beachten!

Haftungsausschluss

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Dieses Produkt entspricht dem heutigen Stand der Technik!

Disposal Note

Disposal of the products and their packaging must be carried out in strict compliance with the local laws currently in force.

Disclaimer

Corning Cable Systems GmbH & Co. KG accepts no liability for any damage arising from improper use of the product.

The extent of any liability in specific instances shall be limited to the General Terms and Conditions of Sale from Corning Cable Systems GmbH & Co. KG.
This product is state of the art.

Corning Cable Systems GmbH & Co. KG

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Gedruckt in der EU auf sauerstoffgebleichtem Papier.
Printed in the EU on oxygen-bleached paper.
Liefermöglichkeiten und technische Änderungen vorbehalten.
Subject to availability. Right of modification reserved.

Best.-Nr.: S46998-L5505 -P464
Order No.:

04.09.2013