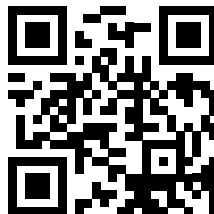# FREEDM™ Tight Buffer Cable

For UniCam® installations, we highly recommend the use of our Corning 900 μm tight-buffered cables:

- Flame-retardant, universal cables for conduit, duct and riser applications

- Interbuilding and intrabuilding backbone cabling

- Facilitates easier termination of low-fibre-count installations in the LAN

- Eliminates the need for fan-out kits

Indoor and Outdoor Applications

- Waterblocking technology for outdoor applications

- UV-and microbe-resistant for duct installations

- Efficient and craft-friendly cable preparation indoors or outdoors

- Easy installation in space-constrained areas through small diameter and bend radius

- Easy and consistent stripping (up to 10 cm) with the TB3 tight-buffered construction

- All-dielectric cable construction requires no grounding or bonding

opcomm.corning.com/3-UniCamSupport

Contact Us

If you require more information about UniCam® connectors and applications, or if you wish to discover how easy termination can be with a simple demonstration, then contact us:

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CORNING

UniCam® Connector Technology
Fibre Termination in Seconds

Termination
Solutions
Guide

CORNING

Method 1 — Recommended

The easiest and quickest way to install UniCam® connectors is in combination with our LANscape® solutions 900 µm tight-buffered cables.

- Following the instructions included with your patch panel, simply remove the cable jacket to allow one to two loops of the tight-buffered fibres in the routing guides.

- Install the UniCam connector directly on the tight-buffered fibre using the UniCam high-performance tool kit. This operation takes about a minute.

Method 1 — Link of 12 Fibres OM3 (Multimode):
2x LANS-01U-B4 — black 1U LANS sliding fibre housing

12x LANS-MOD-E7-B — SC Duplex MM/OM3 adapter module, aqua
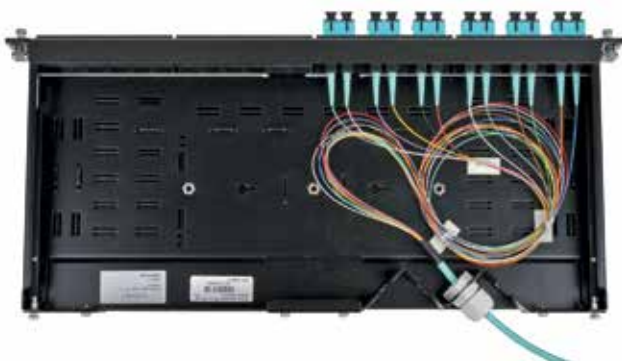
4x WAXWSM-00108-C001 — pack of six black blanks

250 m 012T8X-32188E2G — 12x MM/OM3 FREEDM™ tight buffer indoor/outdoor cable

24x 95-050-41-X — SC MM/OM3 high-performance UniCam connector

Tool kit needed:
TKT-UNICAM-PFC — high-performance UniCam tool kit

Method 2

For terminations on loose tube or central tube cables (12 fibres or fewer per tube), it is recommended that you use a fan-out kit: FAN-BT25-06 for six fibres or FAN-BT25-12 for 12 fibres.

- Remove the cable jacket such that you have enough buffer tube as required to route within the housing, plus another 10 cm to terminate the fibre on UniCam® connectors.

- Remove the buffer tubing, clean the fibres using alcohol and make sure all gel residues are removed. When using our FREEDM™ gel-free indoor/outdoor cables the cleaning process procedure is less time-consuming.

- Directly install the UniCam connector on the fan-out tubing. This operation takes about two minutes and gives great protection to your 250 µm fibres.

Method 2 — Link of 12 Fibres OS2 (Single-mode):
2x LANC-01U-B — black 1U LANC fixed fibre housing

12x LANS-MOD-72-B — SC Duplex SM adapter module, blue

4x WAXWSM-00108-C001 — pack of six black blanks

900 m 012EEU-13122D2G — 12x SM/OS2 FREEDM gel-free indoor/outdoor cable

2x FAN-BT25-12 — fan-out kit for 12 fibres (60 cm)

24x 95-200-41 — SC SM/OS2 UPC high-performance UniCam connector

Tool kit needed:
TKT-UNICAM-PFC — high-performance UniCam tool kit

Method 3

This method can only be used with a fixed patch panel without sliding trays. Installers need to **be cautious** and take **extra care** routing and installing the connectors on the 250 µm fibre. There will be reduced tensile strength in connectors and bare fibres in the patch panels.

- Clean the fibres and wipe with alcohol.

- Place a piece of 3 cm 900 µm tubing onto the fibre, such as FAN-BT-3CM.

- Install the UniCam® connector, but before crimping, slide the 3 cm tubing back into the connector.

Method 3 — Link of 24 Fibres OM2 (Multimode):
2x LANC-01U-B — black 1U LANC fixed fibre housing

24x LANC-MOD-D2-B — LC Duplex MM/OM2 adapter module, black

4x WAXWSM-00108-C001 — pack of six black blanks

150 m 024TRU-T3138A2G — 24x MM/OM2 loose tube dielectric armour indoor/outdoor cable

2x FAN-BT-3CM-25 — tubes 250 to 900 µm (25 pieces)

48x 95-050-90 — LC MM/OM2 standard-performance UniCam connector

Tool kit needed:
TKT-UNICAM-PFC — high-performance UniCam tool kit