

Section 15 Fibre Optic Cables

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**Fibre Optic Cables**

# Belden Products

Indoor/Outdoor Tight Buffer Fibre Optical Cables



## Application

Mini-Breakout Cables Tight Buffer for outdoor and indoor use in structured wiring systems, such as Campus and Building Backbone and/or Horizontal cabling. Easy to install in ducts, tunnels and trenches, it is not recommended for direct burial. These cables are Halogen-free (FRNC and LSNH). Orange outer jacket, multimode and single-mode: OM1, OM2, OM3 and OS2.

## Specifications

- Universal cable: indoor/outdoor applications
- Tight Buffer
- Swellable reinforced yarns as strength members and for longitudinal water tightness
- FRNC/LSNH orange jacket according to IEC60332-2 and IEC60754-2
- Water tightness according to IEC60794-1-2-F5
- **Temperature Range:**  
 Transport/storage: -30°C to +75°C  
 Installation: -5°C to +50°C  
 Operation: -30°C to +70°C

Anixter Number	Vendor Number	Description
<b>Multimode 62.5/125 OM1 Tight Buffer Cable Indoor/Outdoor</b>		
370-922-6LS8-04	GUMT104	4 fibre multimode cable OM1 62.5/125
370-922-6LS8-06	GUMT106	6 fibre multimode cable OM1 62.5/125
370-922-6LS8-08	GUMT108	8 fibre multimode cable OM1 62.5/125
370-922-6LS8-12	GUMT112	12 fibre multimode cable OM1 62.5/125
370-922-6LS8-24	GUMT124	24 fibre multimode cable OM1 62.5/125
<b>Multimode 50/125 OM2 Tight Buffer Cable Indoor/Outdoor</b>		
370-922-5LS8-04	GUMT204	4 fibre multimode cable OM2 50/125
370-922-5LS8-06	GUMT206	6 fibre multimode cable OM2 50/125
370-922-5LS8-08	GUMT208	8 fibre multimode cable OM2 50/125
370-922-5LS8-12	GUMT212	12 fibre multimode cable OM2 50/125
370-922-5LS8-24	GUMT224	24 fibre multimode cable OM2 50/125
<b>Multimode 50/125 for 10Gb/s Applications OM3 Tight Buffer Cable Indoor/Outdoor</b>		
370-922-5LS8OM3-04	GUMT304	4 fibre multimode cable OM3 50/125 for 10Gb/sec application
370-922-5LS8OM3-06	GUMT306	6 fibre multimode cable OM3 50/125 for 10Gb/sec application
370-922-5LS8OM3-08	GUMT308	8 fibre multimode cable OM3 50/125 for 10Gb/sec application
370-922-5LS8OM3-12	GUMT312	12 fibre multimode cable OM3 50/125 for 10Gb/sec application
370-922-5LS8OM3-24	GUMT324	24 fibre multimode cable OM3 50/125 for 10Gb/sec application
<b>Single-mode 9/125 OS1 Tight Buffer Cable Indoor/Outdoor</b>		
370-922-8LS8OS1-12	GUMTA12	12 fibre single-mode cable OS1 9/125
370-922-8LS8OS1-24	GUMTA24	24 fibre single-mode cable OS1 9/125

OM4 also available as GUMT6XX



## Application

Central Loose Tube Cables for outdoor and indoor use in structured wiring systems, such as Campus and Building Backbone and/or Horizontal cabling. Easy to install in ducts, tunnels and trenches, it is suitable for direct burial. These cables are Halogen-free (FRNC and LSNH). Simple all dielectric cable construction with standard rodent protection. Orange outer jacket, multimode and single-mode: OM1, OM2, OM3 and OS2.

## Specifications

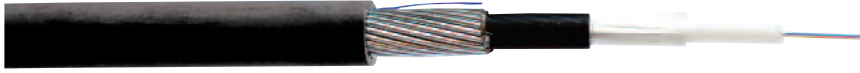
- Universal cable: indoor/outdoor applications
- Central Tube, jelly filled
- Swellable yarns as strength members and for standard rodent protection
- FRNC/LSNH orange jacket according to IEC60332-1 and IEC60754-2
- Water tightness according to IEC60794-1-2-F5
- **Temperature Range:**  
Transport/storage: -30°C to +75°C  
Installation: -5°C to +50°C  
Operation: -30°C to +70°C

Anixter Number	Vendor Number	Description
<b>Multimode 62.5/125 OM1 Central Loose Tube Cable Indoor/Outdoor</b>		
373-BEL62-LTDCCT-04	GUSN104	4 fibre multimode cable OM1 62.5/125
373-BEL62-LTDCCT-06	GUSN106	6 fibre multimode cable OM1 62.5/125
373-BEL62-LTDCCT-08	GUSN108	8 fibre multimode cable OM1 62.5/125
373-BEL62-LTDCCT-12	GUSN112	12 fibre multimode cable OM1 62.5/125
373-BEL62-LTDCCT-24	GUSN124	24 fibre multimode cable OM1 62.5/125
<b>Multimode 50/125 OM2 Central Loose Tube Cable Indoor/Outdoor</b>		
373-BEL50-LTDCCT-04	GUSN204	4 fibre multimode cable OM2 50/125
373-BEL50-LTDCCT-06	GUSN206	6 fibre multimode cable OM2 50/125
373-BEL50-LTDCCT-08	GUSN208	8 fibre multimode cable OM2 50/125
373-BEL50-LTDCCT-12	GUSN212	12 fibre multimode cable OM2 50/125
373-BEL50-LTDCCT-24	GUSN224	24 fibre multimode cable OM2 50/125
<b>Single-mode 9/125 and OS2 Central Loose Tube Cable Indoor/Outdoor</b>		
373-BEL9-LTDCCT-04	GUSN804	4 fibre single-mode cable OS2 9/125
373-BEL9-LTDCCT-08	GUSN808	8 fibre single-mode cable OS2 9/125
373-BEL9-LTDCCT-12	GUSN812	12 fibre single-mode cable OS2 9/125
373-BEL9-LTDCCT-24	GUSN824	24 fibre single-mode cable OS2 9/125
<b>Multimode 50/125 for 10GB/s Applications OM3 Central Loose Tube Cable Indoor/Outdoor</b>		
373-BEL300-LTDCCT-04	GUSN304	4 fibre multimode cable OM3 50/125
373-BEL300-LTDCCT-06	GUSN306	6 fibre multimode cable OM3 50/125
373-BEL300-LTDCCT-08	GUSN308	8 fibre multimode cable OM3 50/125
373-BEL300-LTDCCT-12	GUSN312	12 fibre multimode cable OM3 50/125
373-BEL300-LTDCCT-24	GUSN324	24 fibre multimode cable OM3 50/125

OM4 also available as GUSN4XX

# Belden Products

Central Loose Tube Fibre Optical Cables for Indoor/Outdoor use with Steel Wire Armour (SWA)



## Application

Central Loose Tube Cables for indoor/outdoor use in structured wiring systems, such as Industrial Backbone, Campus Backbone, Building Backbone and/or Horizontal cabling. Suitable for direct burial and/or in ducts, tunnels and trenches. These cables are Halogen-free (FRNC and LSNH) with a black outer jacket, multimode and single-mode, OM1, OM2 and OS2.

## Specifications

- Full rodent protection
- For outdoor use, suitable for direct burial
- Water swellable yarns as strength members and for the longitudinal water tightness
- Halogen-free inner jacket
- Steel Wire Armouring: helical stranded galvanised steel wires of 0.6mm
- Crush resistance:  $\neq / < 30000 \text{ N/m}$
- Water tightness according to IEC60794-1-2-F5
- **Temperature Range:**  
 Transport/storage:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
 Installation:  $-5^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$   
 Operation:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Anixter Number	Vendor Number	Description
<b>Multimode 62.5/125 OM1 Loose Tube Indoor/Outdoor</b>		
372-BEL62-LTSPA-04	GUWN104	4 fibre multimode cable OM1 62.5/125
372-BEL62-LTSPA-08	GUWN108	8 fibre multimode cable OM1 62.5/125
372-BEL62-LTSPA-12	GUWN112	12 fibre multimode cable OM1 62.5/125
372-BEL62-LTSPA-24	GUWN124	24 fibre multimode cable OM1 62.5/125
<b>Multimode 50/125 OM2 Loose Tube Indoor/Outdoor</b>		
372-BEL50-LTSPA-04	GUWN204	4 fibre multimode cable OM2 50/125
372-BEL50-LTSPA-08	GUWN208	8 fibre multimode cable OM2 50/125
372-BEL50-LTSPA-12	GUWN212	12 fibre multimode cable OM2 50/125
372-BEL50-LTSPA-24	GUWN224	24 fibre multimode cable OM2 50/125
<b>Multimode 9/125 OS2 Loose Tube Indoor/Outdoor</b>		
372-BEL9-LTSPA-04	GUWN804	4 fibre single-mode cable OS2 9/125
372-BEL9-LTSPA-08	GUWN808	8 fibre single-mode cable OS2 9/125
372-BEL9-LTSPA-12	GUWN812	12 fibre single-mode cable OS2 9/125
372-BEL9-LTSPA-24	GUWN824	24 fibre single-mode cable OS2 9/125

OM4 also available as GUWN3XX

OM4 also available as GUWN6XX



## Application

Central Loose Tube Cables for outdoor and indoor use in structured wiring systems, such as Industrial Backbone, Campus Backbone, Building Backbone and/or Horizontal cabling. Suitable for direct burial, it is easy to install in ducts, tunnels and trenches. These cables are Halogen-free (FRNC and LSNH). Black UV resistant outer jacket, multimode and single-mode: OM1, OM2, OS2 and ITU G.652D.

## Specifications

- High mechanical and full rodent protection provided by corrugated steel tape (CST) armour
- For outdoor use, suitable for direct burial
- Water swellable E-glass yarns as strength members and for the longitudinal water tightness
- Corrugated Steel Tape Armouring: helical longitudinally applied steel tape (0.155mm)
- Pulling Tension: long term  $\leq 800$  N  
short term  $\leq 1600$  N
- Crush resistance  $\leq 30$ KN/M
- Water tightness according to IEC60794-1-2-F5
- **Temperature Range:**  
Transport/storage:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
Installation:  $-5^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$   
Operation:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

Anixter Number	Vendor Number	Description
<b>Multimode 62.5/125 OM1 Loose Tube Outdoor</b>		
372-BEL62-LTACT-04	GUCN104	4 fibre multimode cable OM1 62/125 with LSNH jacket
372-BEL62-LTACT-08	GUCN108	8 fibre multimode OM2 62.5/125 with LSNH LSNH jacket
372-BEL62-LTACT-12	GUCN112	12 fibre multimode cable OM1 62.5/125 with LSNH jacket
372-BEL62-LTACT-24	GUCN124	24 fibre multimode cable OM1 62.5/125 with LSNH jacket
<b>Multimode 50/125 OM2 Loose Tube Outdoor</b>		
372-BEL50-LTACT-04	GUCN204	4 fibre multimode cable OM2 50/125 with LSNH jacket
372-BEL50-LTACT-08	GUCN208	8 fibre multimode cable OM2 50/125 with LSNH jacket
372-BEL50-LTACT-12	GUCN212	12 fibre multimode cable OM2 50/125 with LSNH jacket
372-BEL50-LTACT-24	GUCN224	24 fibre multimode cable OM2 50/125 with LSNH jacket
<b>Single-mode 9/125 OS2 Loose Tube Outdoor</b>		
372-BEL9-LTACT-04	GUCN804	4 fibre single-mode cable OS2 9/125 with LSNH jacket
372-BEL9-LTACT-08	GUCN808	8 fibre single-mode cable OS2 9/125 with LSNH jacket
372-BEL9-LTACT-12	GUCN812	12 fibre single-mode cable OS2 9/125 with LSNH jacket
372-BEL9-LTACT-24	GUCN824	24 fibre single-mode cable OS2 9/125 with LSNH jacket

OM3 also available as GUCN3XX

OM4 also available as GUCN6XX

# Belden Products

Tight Buffered, Armoured Industrial Cable



## Application

Belden Steel Wire Braid armoured Mini-Breakout Cables are designed for use where mechanical protection is required. Can be used indoor and outdoor in structured wiring systems, such as Campus and Building Backbone and/or Horizontal cabling. Easy to install in ducts, tunnels and trenches. Available in multimode OM1, OM2, OM3 and single-mode OS2.

## Specification

- **Fibre Type:** 0.9mm tight buffered coded fibres
- **Inner Sheath:** Flame retardant and halogen-free
- **Armour:** Galvanised steel wire braid
- **Outer Sheath:** UV resistant flame retardant and halogen-free
- **Water Tightness:** acc. To IEC 60794-1-2-F5
- **Halogen-Free:** acc. To IEC 60754-2
- **Flame Retardant:** acc. To IEC 60332-3-24
- **Smoke Density:** acc. To IEC 61034-2
- **Temperature Range:**  
 Transport/storage: -30°C to +75°C  
 Installation: -5°C to +50°C  
 Operation: -30°C to +70°C

Anixter Number	Vendor Number	Description
<b>Multimode 62.5/125 OM1 Tight Buffer Cable, Steel Wire Braid, Indoor/Outdoor</b>		
370-403-6LS2-04	GUMV104	4 fibre multimode cable OM1 62.5/125
370-403-6LS2-08	GUMV108	8 fibre multimode cable OM1 62.5/125
370-403-6LS2-12	GUMV112	12 fibre multimode cable OM1 62.5/125
370-403-6LS2-24	GUMV124	24 fibre multimode cable OM1 62.5/125
<b>Multimode 50/125 OM2 Tight Buffer Cable, Steel Wire Braid, Indoor/Outdoor</b>		
370-403-50M2-04	GUMV204	4 fibre multimode cable OM2 50/125
370-403-50M2-08	GUMV208	8 fibre multimode cable OM2 50/125
370-403-50M2-12	GUMV212	12 fibre multimode cable OM2 50/125
370-403-50M2-24	GUMV224	24 fibre multimode cable OM2 50/125
<b>Single-mode 9/125 OS2 Tight Buffer Cable, Steel Wire Braid, Indoor/Outdoor</b>		
370-403-90S2-04	GUMVA04	4 fibre single-mode cable OS2 9/125
370-403-90S2-08	GUMVA08	8 fibre single-mode cable OS2 9/125
370-403-90S2-12	GUMVA12	12 fibre single-mode cable OS2 9/125
370-403-90S2-24	GUMVA24	24 fibre single-mode cable OS2 9/125

OM3 also available as GUMV3XX

OM4 also available as GUMV6XX

# Corning Cable Systems

Multimode and Single-mode In/Out Tight Buffer with Rodent Protection



## Application

Corning MPC (Multi Purpose Cable) tight buffered cables are flame retardant, indoor/outdoor cables designed for inter building and intra building backbones in duct and riser applications. The tight buffered construction facilitates easier termination for low-fibre-count applications in the Local Area Network (LAN), and eliminates need for fan-out kits. These cables are designed for installation in conduits, ducts and in-house.

## Specifications

- Tight buffer (TB) fibre of 900µm diameter, TB3 design (easy to strip)
- Low smoke to IEC 61034 and EN 50268 zero halogen (LSZH)
- Flame retardant to IEC 60332-3-24 and non-corrosive to IEC 60754-2 (FRNC) and EN 50267
- Metal free, hence no ground loop problems
- Enhanced rodent protection
- Completely dry design, water blocking to IEC 60794-1-2-F5
- Suitable for use outdoors and indoors
- Especially suitable for field-installable UniCam® connectors

### Temperature Range:

- Installation and assembly -5°C to +50°C
- Operation -20°C to +60°C
- Transport and storage -25°C to +70°C

### Multimode and single-mode in/out tight buffer with rodent protection

Tight buffer cables multimode 62.5/125 (OM1), ClearCurve 50/125 (OM2), laser-optimised 50/125 (OM3) and single-mode 9/125 (OS2), with LSZH jacket, dielectric glass yarn armour, aramid yarns, central member with expandable yarns and ripcord.

Anixter Number	Vendor Number	Description
373-COR625-TBDRP-06	LCXLM2M5006A700	6 fibre, multimode 62.5/125, black
373-COR625-TBDRP-12	LCXLM2M5012A700	12 fibre, multimode 62.5/125, black
373-COR625-TBDRP-24	LCXLM2M5024A700	24 fibre, multimode 62.5/125, black
373-COR50CC-TBDRP-06	LCXLM2L5006G700	6 fibre, multimode 50/125, black ClearCurve
373-COR50CC-TBDRP-12	LCXLM2L5012G700	12 fibre, multimode 50/125, black ClearCurve
373-COR50CC-TBDRP-24	LCXLM2L5024G700	24 fibre, multimode 50/125, black ClearCurve
373-COR30CC-TBD-06	LCXLM2L5006H700	6 fibre, 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR30CC-TBD-12	LCXLM2L5012H700	12 fibre, 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR30CC-TBD-24	LCXLM2L5024H700	24 fibre, 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR9-TBDRP-06	LCXLM2D5006U700	6 fibre, single-mode 9/125, black
373-COR9-TBDRP-12	LCXLM2D5012U700	12 fibre, single-mode 9/125, black
373-COR9-TBDRP-24	LCXLM2D5024U700	24 fibre, single-mode 9/125, black



# Corning Cable Systems

Multimode and Single-mode In/Out Loose Tube with Rodent Protection



## Application

Corning MPC (Multi Purpose Cable) stranded loose tube cables are flame retardant, indoor/outdoor cables designed for inter-building and intra building backbones in duct and riser applications. The loose tube cable construction by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The buffer tube and fibres in each tube are colour coded for quick and easy identification. The SZ stranded construction further reduces installation and environmental influences on the transmission parameters and allows mid-span access. These cables are designed for installation in conduits, ducts and in-house.

## Specifications

- Low smoke to IEC 61034 and EN 50268 zero halogen (LSZH)
- Non-corrosive to IEC 60754-2 and EN 50267
- Flame retardant to IEC 60332-3-24 and EN 50266-2-4
- Metal free, hence no ground loop problems
- Enhanced rodent protection
- Dry cable core
- Water blocking to IEC 60794-1-2F5
- Suitable for use outdoors and indoors
- Direct burial in the ground possible (microbe resistant)

### Temperature Range:

- Installation and assembly -5°C to +50°C
- Operation -30°C to +70°C
- Transport and storage -40°C to +70°C

### Multimode and single-mode in/out mini-bundle with rodent protection

Loose tube cables multimode 62.5/125 (OM1), 50/125 (OM2) and laser-optimised 50/125 (OM3) and single-mode 9/125 (OS2) with metal free central member, LSZH jacket, ripcord and an all-dielectric rodent protection (glass yarn armour).

Anixter Number	Vendor Number	Description
370-569-6RMPC-24	LCXLM1M4024A700	24 fibre (2 x 12), multimode 62.5/125, black, OM1
370-569-6RMPC-48	LCXLM1M4048A700	48 fibre (4 x 12), multimode 62.5/125, black, OM1
373-COR50CC-LTD-12	LCXLM1K4012G703	12 fibre (2 x 6), multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTD-24	LCXLM1K4024G700	24 fibre (2 x 12), multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTD-48	LCXLM1K4048G700	48 fibre (4 x 12), multimode 50/125, black OM2, ClearCurve
370-564-SMODE-24	LCXLM1D4024U703	24 fibre (2 x 12), single-mode 9/125, black, OS2
370-564-SMODE-48	LCXLM1D4048U702	48 fibre (4 x 12), single-mode 9/125, black, OS2

# Corning Cable Systems

Multimode and Single-mode In/Out Central Tube with Rodent Protection



## Application

The central tube cable construction by isolating the fibres from installations and environmental rigors provides stable and highly reliable transmission parameters. The fibres are colour coded for quick, easy identification. The cable construction based on a central buffer tube is very compact, light and flexible, and ideal for connections requiring a moderate fibre count. These cables are designed for installations in conduits, ducts and in-house.

## Specifications

- Low smoke to IEC 61034 and EN 50268 zero halogen (LSZH)
- Non-corrosive to IEC 60754-2 and EN 50267
- Flame retardant to IEC 60332-3-24 and EN 50266-2-4
- Metal free, hence no ground loop problems
- Enhanced rodent protection
- Water blocking to IEC 60794-1-2-F5
- UV resistant
- Suitable for use outdoors and indoors
- Direct burial in the ground possible (microbe resistant)
- Small diameter
- Pre-assembled lengths available

### Temperature Range:

- Installation and assembly -5°C to +50°C
- Operation -20°C to +60°C
- Transport and storage -25°C to +70°C

### Multimode and single-mode in/out central tube with rodent protection

Central tube construction cables multimode 62.5/125 (OM1), standard 50/125 (OM2) and laser-optimised 50/125 (OM3) and single-mode 9/125 (OS2), all dielectric with flame retardant LSZH jacket, rodent protection (glass yarn armour) and ripcord.

# Corning Cable Systems

Multimode and Single-mode In/Out Central Tube with Rodent Protection (continued)

Anixter Number	Vendor Number	Description
370-569-6RMP-04	LCXLM1M0004A700	4 fibre, multimode 62.5/125, black OM1
370-569-6RMP-06	LCXLM1M0006A700	6 fibre, multimode 62.5/125, black OM1
370-569-6RMP-08	LCXLM1M0008A700	8 fibre, multimode 62.5/125, black OM1
370-569-6RMP-12	LCXLM1M0012A700	12 fibre, multimode 62.5/125, black OM1
370-569-6RMP-16	LCXLM1M0016A700	16 fibre, multimode 62.5/125, black OM1
373-COR50CC-LTDCT-04	LCXLM1K0004G700	4 fibre, multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTDCT-06	LCXLM1K0006G700	6 fibre, multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTDCT-08	LCXLM1K0008G700	8 fibre, multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTDCT-12	LCXLM1K0012G700	12 fibre, multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTDCT-16	LCXLM1K0016G700	16 fibre, multimode 50/125, black OM2, ClearCurve
373-COR50CC-LTDCT-24	LCXLM1K0024G700	24 fibre, multimode 50/125, black OM2, ClearCurve
373-COR300CC-LTCT-04	LCXLM1K0004H700	4 fibre, multimode 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR300CC-LTCT-06	LCXLM1K0006H700	6 fibre, multimode 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR300CC-LTCT-08	LCXLM1K0008H700	8 fibre, multimode 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR300CC-LTCT-12	LCXLM1K0012H700	12 fibre, multimode 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR300CC-LTCT-16	LCXLM1K0016H700	16 fibre, multimode 50/125 OM3 for 10Gig/sec applications, black ClearCurve
373-COR300CC-LTCT-24	LCXLM1K0024H700	24 fibre, multimode 50/125 OM3 for 10Gig/sec applications, black ClearCurve
370-563-SMODE-04	LCXLM1D0004U700	4 fibre, single-mode 9/125, black, OS2
370-563-SMODE-06	LCXLM1D0006U700	6 fibre, single-mode 9/125, black, OS2
370-563-SMODE-08	LCXLM1D0008U700	8 fibre, single-mode 9/125, black, OS2
370-563-SMODE-12	LCXLM1D0012U700	12 fibre, single-mode 9/125, black, OS2
370-563-SMODE-24	LCXLM1D0024U700	24 fibre, single-mode 9/125, black, OS2

Don't forget, for loose tube cable to add fan-out kits.

Anixter Number	Vendor Number	Description
152286	FAN-BT25-12	Buffer tube fan-out kits indoor, 12F, 635mm leg
152285	FAN-BT25-06	Buffer tube fan-out kits indoor, 6F, 635mm leg

# Corning Cable Systems

FREEDM™ Dry MPC Cable



## Application

Look inside Corning's new FREEDM™ Dry MPC Cable and you'll see there's something familiar, missing. Corning's FREEDM Dry MPC Cable replaces gel with a waterblocking yarn coupled with an enhanced buffer tube design. Packed full of Corning innovation, including the use of Corning ClearCurve® bend-insensitive fibre.

Aiding more efficient and installer-friendly cable preparation, FREEDM Dry central tube MPC cables contain a waterblocking yarn both inside and around the buffer tubes, eliminating the need for messy gels. They are an alternative product to gel-filled cables providing minimal cleaning and preparation, resulting in faster, accurate and more reliable fibre terminations.

- Innovative waterblocking yarn protects against water penetration without the need for messy gels
- Flexible polypropylene buffer tubes isolate fibres from environmental and installation rigours
- Low smoke, zero halogen (LSZH™), jacket meets European regulations for indoor use
- Multipurpose indoor/outdoor use including campuses, building-to-building, airports, shopping malls, stadiums and railway stations. There is no need to re-terminate at building entry and use separate cables for indoor and outdoor applications
- Available with a variety of different fibre types, including the industry leading bend-insensitive Corning® ClearCurve® Multimode OM2, OM3 and OM4 fibres

The gel-free cables avoid the frustration and inconvenience of working with messy, sticky and oily gels or hazardous cleaning chemicals. The time-saving, easy and clean preparation and connection process requires no special tools and equipment for cleaning.

With FREEDM you can gain more efficient, high-quality and less costly installations that enhance the performance and longevity of mission-critical network infrastructures.

Anixter Number	Corning Part Number	Description
<b>OS2 Single-mode</b>		
370-563-SMODE-04-GF	004ESZ-T2B01D20	4 fibre, loose tube, OS2 single-mode, LSZH
370-563-SMODE-12-GF	012ESZ-T2B01D20	12 fibre, loose tube, OS2 single-mode, LSZH
<b>OM1 Infinicor 300</b>		
370-569-6RMPC-04-GF	004KSZ-T2B30D20	4 fibre, loose tube, OM1 62.5 micron multimode, LSZH
370-569-6RMPC-12-GF	012KSZ-T2B30D20	12 fibre, loose tube, OM1 62.5 micron multimode, LSZH
<b>OM2 Clearcurve Pretium 150</b>		
370-COR50GF-LTDCT-04	004TSZ-T2B31D20	4 fibre, loose tube, OM2 50 micron multimode, LSZH
370-COR50GF-LTDCT-12	012TSZ-T2B31D20	12 fibre, loose tube, OM2 50 micron multimode, LSZH
<b>OM3 Clearcurve Pretium 300</b>		
373-COR300GF-LTCT-04	004TSZ-T2B80D20	4 fibre, loose tube, OM3 laser-optimised 50 micron, 10 gig to 300 metre, LSZH
373-COR300GF-LTCT-12	012TSZ-T2B80D20	12 fibre, loose tube, OM3 laser-optimised 50 micron, 10 gig to 300 metre, LSZH
<b>OM4 Clearcurve Pretium 550</b>		
373-COR550GF-LTCT-04	004TSZ-T2B90D20	4 fibre, loose tube, OM4 laser-optimised 50 micron, 10 gig to 550 metre, LSZH
373-COR550GF-LTCT-12	012TSZ-T2B90D20	12 fibre, loose tube, OM4 laser-optimised 50 micron, 10 gig to 550 metre, LSZH

# Corning Cable Systems

Multimode and Single-mode I-MIC Indoor Cable



## Application

Corning Landscape® indoor cables can be deployed indoor as building backbone (riser) cabling as well as for the cabling between floor distributors. The tight buffer construction facilitates easier termination for low-fibre-count applications in the Local Area Network (LAN), and eliminates need for fan-out kits. The cables can be installed in conduits and shafts inside buildings.

## Specifications

- Tight buffer fibre of 900µm diameter, TB3 design (easy to strip)
- Low smoke to IEC 61034 and EN 50268 and zero halogen (LSZH)
- Flame retardant to EN 60332-3-24 and EN 50266-2-4 non-corrosive to IEC 60754-2 (FRNC) and EN 50267
- Metal free (no loop problems)
- Completely dry design
- Especially suitable for field-installable UniCam® connectors

### Temperature Range:

- Installation and assembly -5°C to +50°C
- Operation -20°C to +60°C
- Transport and storage -25°C to +70°C

### Multimode and single-mode I-MIC indoor cable

Light and thin indoor cables, 900µm, TB3, LSZH multimode 62.5/125 (OM1), standard 50/125 (OM2) ClearCurve and laser-optimised 50/125 ClearCurve (OM3) and single-mode 9/125 (OS2).

## Corning Cable Systems

Multimode and Single-mode I-MIC Indoor Cable (continued)

Anixter Number	Vendor Number	Description
370-569-IMIC/62.5-04	LCXLI2M5004A700	4 fibre, multimode 62.5/125, orange, OM1
370-569-IMIC/62.5-06	LCXLI2M5006A700	6 fibre, multimode 62.5/125, orange, OM1
370-569-IMIC/62.5-08	LCXLI2M5008A700	8 fibre, multimode 62.5/125, orange, OM1
370-569-IMIC/62.5-12	LCXLI2M5012A700	12 fibre, multimode 62.5/125, orange, OM1
370-569-IMIC/62.5-24	LCXLI2M5024A700	24 fibre, multimode 62.5/125, orange, OM1
374-COR50CC-TBD-04	LCXLI2L5004G700	4 fibre, multimode 50/125, orange OM2, ClearCurve
374-COR50CC-TBD-06	LCXLI2L5006G700	6 fibre, multimode 50/125, orange OM2, ClearCurve
374-COR50CC-TBD-08	LCXLI2L5008G700	8 fibre, multimode 50/125, orange OM2, ClearCurve
374-COR50CC-TBD-12	LCXLI2L5012G700	12 fibre, multimode 50/125, orange OM2, ClearCurve
374-COR50CC-TBD-24	LCXLI2L5024G700	24 fibre, multimode 50/125, orange OM2, ClearCurve
374-COR300CC-TBD-04	LCXLI2L5004H700	4 fibre, multimode 50/125 OM3 for 10 Gig/sec applications, aqua ClearCurve
374-COR300CC-TBD-06	LCXLI2L5006H700	6 fibre, multimode 50/125 OM3 for 10 Gig/sec applications, aqua ClearCurve
374-COR300CC-TBD-08	LCXLI2L5008H700	8 fibre, multimode 50/125 OM3 for 10 Gig/sec applications, aqua ClearCurve
374-COR300CC-TBD-12	LCXLI2L5012H700	12 fibre, multimode 50/125 OM3 for 10 Gig/sec applications, aqua ClearCurve
374-COR300CC-TBD-24	LCXLI2L5024H700	24 fibre, multimode 50/125 OM3 for 10 Gig/sec applications, aqua ClearCurve
370-509-IMIC/SM-04	LCXLI2D5004U700	4 fibre, single-mode 9/125, yellow, OS2
370-509-IMIC/SM-06	LCXLI2D5006U700	6 fibre, single-mode 9/125, yellow, OS2
370-509-IMIC/SM-08	LCXLI2D5008U700	8 fibre, single-mode 9/125, yellow, OS2
370-509-IMIC/SM-12	LCXLI2D5012U700	12 fibre, single-mode 9/125, yellow, OS2
370-509-IMIC/SM-24	LCXLI2D5024U700	24 fibre, single-mode 9/125, yellow, OS2

# Corning Cable Systems

Multimode and Single-mode with Corrugated Steel Armouring



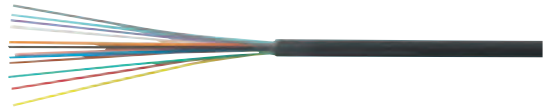
## Application

Corning MPC (Multi Purpose Cables) central tube cables with corrugated steel armouring are flame retardant indoor/outdoor cables designed for inter building and intra building backbones in duct, direct burial and riser applications. The central tube cable construction, by isolating the fibres from installations and environmental rigors, provides stable and highly reliable transmission parameters. The fibres are colour coded for quick, easy identification. The cable construction based on a central buffer tube is very compact, light and flexible, and ideal for connections requiring a moderate fibre count. These cables are designed for installation in conduits, ducts, direct burial and in-house.

## Specifications

- Central tube loose tube construction, corrugated Steel Tape Armour (STA), PE or LSZH jacket
- Test procedures to IEC 60794-1-2 for tensile strength, impact resistance, crush resistance, bending features and water penetration
- Flame retardant to IEC 60332-3-24 and EN 50266-2-4
- Non-corrosive to IEC 60754-2 (FRNC) and EN 50267
- Low smoke to IEC 61034 and EN 50266, LSZH to IEC 60754-1
- Water blocking to IEC 60794-12F5
- Multimode 50/125 (OM2), 62.5/125 (OM1) and single-mode 9/125 (OS2)

Anixter Number	Vendor Number	Description
370-566-6AMPC-06	FWCT01S0006A004	6 fibre, multimode 62.5/125, STA, LSZH, black, OM1
370-566-6AMPC-08	FWCT01S0008A004	8 fibre, multimode 62.5/125, STA, LSZH, black, OM1
370-566-6AMPC-12	FWCT01S0012A004	12 fibre, multimode 62.5/125, STA, LSZH, black, OM1
373-COR50CC-LTACT-06	FWCT01S0006G004	6 fibre, multimode 50/125, STA, LSZH, black OM2, ClearCurve
373-COR50CC-LTACT-08	FWCT01S0008G004	8 fibre, multimode 50/125, STA, LSZH, black OM2, ClearCurve
373-COR50CC-LTACT-12	FWCT01S0012G004	12 fibre, multimode 50/125, STA, LSZH, black OM2, ClearCurve
373-COR50CC-LTACT-24	FWCT01S0024G004	24 fibre, multimode 50/125, STA, LSZH, black OM2, ClearCurve
370-568-6PE2-04	FWCT01S0004A003	4 fibre, multimode 62.5/125, STA, PE, black, OM1
370-568-6PE2-06	FWCT01S0006A003	6 fibre, multimode 62.5/125, STA, PE, black, OM1
370-568-6PE2-08	FWCT01S0008A003	8 fibre, multimode 62.5/125, STA, PE, black, OM1
370-568-6PE2-12	FWCT01S0012A003	12 fibre, multimode 62.5/125, STA, PE, black, OM1
372-COR9-LTACT-12	FWCT01S0012U003	12 fibre, single-mode 9/125, STA, PE, black, OS2
372-COR9-LTACT-24	FWCT01S0024U003	24 fibre, single-mode 9/125, STA, PE, black, OS2



## Application

Multimode indoor/outdoor fibre, tight buffered. Cable loss at 850nm 3.5 dB/km and at 1300nm 1.5 dB/km.

## Specifications

- **Outer Sheath:** LSZH, UV stabilised for outdoor applications, black
- **Sheath Thickness:** 1.1mm
- **Fire Retardancy:** 2 - 12 cores IEC 60332-1 and 60332-3C, 16 - 24 cores IEC 60332-1
- Aramid yarn for added 'crush' protection to the optical cores
- Available with OM1, OM2, OM3 and OM3e grade glass
- Hybrid multimode and single-mode options available

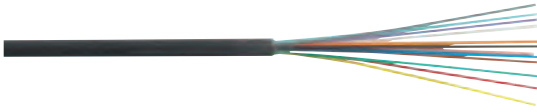
### TrueNet® Tight Buffered, Indoor/Outdoor, LSZH Duct Grade Cable

Anixter Number	Vendor Number	Description
<b>Fibre Optic Cable, Tight Buffered, OM1 (62.5/125µm), LSZH, Black. Bandwidth at 850nm: 200 MHz.km</b>		
370-900-6LS2-04	7004LZHIOC62	4 fibre
370-900-6LS2-08	7008LZHIOC62	8 fibre
370-900-6LS2-12	7012LZHIOC62	12 fibre
370-900-6LS2-24	7024LZHIOC62	24 fibre
<b>Fibre Optic Cable, Tight Buffered, OM2 (50/125µm) LSZH, Black. Bandwidth at 850nm: 500 MHz.km</b>		
370-900-5LS2-04	0004LZHIOC050	4 fibre
370-900-5LS2-08	7008LZHIOC050	8 fibre
370-900-5LS2-12	7012LZHIOC050	12 fibre
370-900-5LS2-24	0024LZHIOC050	24 fibre
<b>Fibre Optic Cable, Tight Buffered, OM3 (50/125µm), LSZH, Black. Bandwidth at 850nm: 2000 MHz.km</b>		
370-900-5LS20M3-04	7023 3 229-04	4 fibre
370-900-5LS20M3-08	7023 3 229-08	8 fibre
370-900-5LS20M3-12	7023 3 229-12	12 fibre
370-900-5LS20M3-24	7023 3 229-24	24 fibre
<b>9/125µm Single-mode, Indoor/Outdoor, Fibre Optic Cables, Tight Buffered, LSZH. Cable Loss at 1310nm 1.0 dB/km</b>		
370-564-SMODEOS1-04	7023 3 228-04	4 fibre
370-564-SMODEOS1-08	7023 3 228-08	8 fibre
370-564-SMODEOS1-12	7023 3 228-12	12 fibre
370-564-SMODEOS1-24	7023 3 228-24	24 fibre



# ADC Krone

TrueNet® Loose Tube Fibre Cables



## Application

TrueNet® loose tube, indoor/outdoor, LSZH duct grade cables.

## Specifications

- **Outer Sheath:** LSZH, UV stabilised for outdoor applications, black
- Water blocked (IEC60794)
- **Sheath Thickness:** 1.5mm
- **Fire Retardancy:** 2 - 24 cores IEC 60332-1
- Glass fibre armour
- Available with OM1, OM2, OM3 and OM3e grade glass
- Hybrid multimode and single-mode OS1 options available

Anixter Number	Vendor Number	Description
<b>OM1</b>		
370-500-6LS2-04	7023 3 220-04	4 fibre 62.5/125µm
370-500-6LS2-08	7023 3 220-08	8 fibre 62.5/125µm
370-500-6LS2-12	7023 3 220-12	12 fibre 62.5/125µm
370-500-6LS2-16	7023 3 220-16	16 fibre 62.5/125µm
370-500-6LS2-24	7023 3 220-24	24 fibre 62.5/125µm
<b>OM2</b>		
370-500-5LS2-04	7023 3 222-04	4 fibre 50/125µm
370-500-5LS2-08	7023 3 222-08	8 fibre 50/125µm
370-500-5LS2-12	7023 3 222-12	12 fibre 50/125µm
370-500-5LS2-16	7023 3 222-16	16 fibre 50/125µm
370-500-5LS2-24	7023 3 222-24	24 fibre 50/125µm
<b>OM3</b>		
370-500-5LS2OM3-04	7023 3 227-04	4 fibre 50/125µm
370-500-5LS2OM3-08	7023 3 227-08	8 fibre 50/125µm
370-500-5LS2OM3-12	7023 3 227-12	12 fibre 50/125µm
370-500-5LS2OM3-16	7023 3 227-16	16 fibre 50/125µm
370-500-5LS2OM3-24	7023 3 227-24	24 fibre 50/125µm



### Method 1- Recommended

The easiest and quickest way to install UniCam Connectors is in combination with our LANscape 900µm Tight-buffered Cables installing the UniCam Connector directly on to the cable.

**Method 1** - Link of 12 Fibres OS2 (Single-mode):

- 2x LANS-01U-B4 - Black 1U LANS Sliding Fibre Housing
- 12x LANS-MOD-72-B- SC Duplex SM Fibre Adapter Module

- 4x WAXWSM-00108-C001- Pack of 6 black Blanks
- 900m LCXLN2-D5012-U700- 12x OS2/SM TB Cable
- 24x 95-200-41 - SC SM UPC High-Perf. UniCam Connector

#### Tool Kit Needed:

- 1x TKT-UNICAM-PFC (AC 347845-NEW-CLEAVER) UniCam High-Performance Tool Kit



### Method 2

For terminations on loose tube or central tube cables (12 fibres or less per tube), it is recommended that you use a fan-out kit: FAN-BT25-06 for 6 fibres, FAN-BT25-12 for 12 fibres before termination.

**Method 2** - Link of 12 Fibres OM3 (Multimode):

- 2x LANS-01U-C4- Grey 1U LANS Sliding Fibre Housing
- 12x LANS-MOD-E4-W-LC Duplex MM Fibre Adapter Module

- 6x WAXWSM-00101-C001- Pack of 6 white Blanks
- 500m 012TSZ-T2B80D20 - 12x OM3/MM Dry CT Cable
- 2x FAN-BT25-12- Fan-Out Kit for 12 fibres (60cm)
- 24x 95-050-99-X- LC OM3 High Perf. UniCam Connector

#### Tool Kit Needed:

- 1x TKT-UNICAM-PFC UniCam High-Performance Tool Kit

# Corning Cable Systems

## Tool Kits

### UniCam® High-Performance Tool Kit (TKT-UNICAM-PFC)

- Virtually eliminates human variability in installation, ensuring consistent, reliable results
- UniCam® High-Performance Installation Tool uses a go/no go LED to provide unmistakable confirmation of a successful termination
- High-Performance Cleaver uses dual-clamp precision and a diamond blade for a superior cleave
- About 45 seconds per connector to install
- Sleek, well-organised carrying case with built-in conveniences for easy, on-the-go field terminations
- Tool kit designed to allow work out of the bag, eliminating set-up and tear-down time
- One kit terminates both single-mode and multimode LC, SC and ST® Compatible Connectors

### Standard UniCam® Connector Installation Tool Kit (TKT-UNICAM)

- Convenient carrying bag contains all of the components necessary to terminate UniCam® Connectors
- Installs SC, LC, ST Compatible
- One kit terminates both single-mode and multimode UniCam® Connectors

Anixter Number	Vendor Number	Description
347845-NEW_CLEANER	TKT-UNICAM-PFC	UniCam® High-Performance Tool Kit, includes UniCam® High-Performance Installation Tool for termination of multimode and single-mode SC, LC and ST® Compatible Connectors, includes High-Performance Flat Cleaver, 1.25 and 2.50mm VFL ferrule adaptors, and all required fibre preparation and cleaning tools and materials
170006	TKT-UNICAM	Basic Installation Kit for single fibre and 2 fibre UniCam® Connectors, terminates single fibre ST compatible, SC, LC and FC, as well as 2 fibre UniCam® MT-RJ Connectors, includes all required fibre preparation and cleaning tools and materials

# Corning Cable Systems

UniCam® Connector Multimode & Single-mode ST, SC, LC for OM1/OM2/OM3 & OS2 Fibres



## Application

The field-installable UniCam® connector versions provide a high quality alternative to epoxy and polish connectors. They provide simple, quick and reliable connector installation on site. Fibre stubs are pre-installed in the ferrules of the UniCam® connectors at the factory, thus eliminating the critical epoxy and polish operations in the field.

On site, the stripped and cleaved field fibres are inserted into the UniCam® connectors and retained. A mechanical splice inside the connector establishes the low-loss connection between the field fibre and the pre-installed fibre inside the connector.

The UniCam® connector can best be described as a mini pigtail. Unlike other no-epoxy, field-installable connectors, the UniCam® connector requires no polishing.

- No-epoxy or polishing
- Economical cost for all fibre terminations
- Fastest termination time in the industry: less than 2 minutes per fibre
- Low labour and no consumables for reduced total cost
- Minimal tool kit, reduced set-up time; universal assembly tool terminates all single and 2-fibre UniCam® connector styles
- Eliminates unnecessary cable slack and storage

# Corning Cable Systems

UniCam® Connector Multimode & Single-mode ST, SC, LC for OM1/OM2/OM3 & OS2 Fibres Ceramic (continued)

Anixter Number	Vendor Number	Description
<b>UniCam® SC Connectors</b>		
169224-NEW	95-000-40	UniCam® SC connector for multimode 62.5µm fibre (OM1), standard performance
149568-NEW	95-000-41	UniCam® SC connector for multimode 62.5µm fibre (OM1), high performance
205644-NEW	95-050-41	UniCam® SC connector for multimode 50µm fibre (OM2), high performance
278287	95-050-40	UniCam® SC connector for multimode 50µm fibre (OM2), standard performance
255259-NEW	95-050-41-X	UniCam® SC connector for multimode 50µm fibre (OM3), high performance
152758-NEW	95-200-41	UniCam® SC SPC connector for single-mode 9µm fibre (OS2), high performance
360136	95-200-44	UniCam® SC APC connector for single-mode 9µm fibre (OS2), high performance
<b>UniCam® ST Connectors</b>		
170002-NEW	95-000-50	UniCam® ST connector for multimode 62.5µm fibre (OM1), standard performance
170001-NEW	95-000-51	UniCam® ST connector for multimode 62.5µm fibre (OM1), high performance
188883-NEW	95-050-51	UniCam® ST connector for multimode 50µm fibre (OM2), high performance
278288	95-050-50	UniCam® ST connector for multimode 50µm fibre (OM2), standard performance
170003-NEW	95-200-51	UniCam® ST connector for single-mode 9µm fibre (OS2), high performance
308485	95-050-51-X	UniCam® ST connector for multimode 50µm fibre (OM3), high performance
<b>UniCam® LC Connectors</b>		
450447	95-200-94	UniCam® LC connector SM APC, high performance
280091-NEW	95-000-99	UniCam® LC connector for multimode 62.5µm fibre (OM1), high performance
280092-NEW	95-050-99	UniCam® LC connector for multimode 50µm fibre (OM2), high performance
280093-NEW	95-050-99-X	UniCam® LC connector for multimode 50µm fibre (OM3), high performance
280090-NEW	95-200-99	UniCam® LC connector for single-mode 9µm fibre (OS2), Ultra PC, high performance
<b>Accessories</b>		
444620	FBC-007	UniCam® cleaver
521266	S45057-Z201-A26	Alcohol pad for cleaning the fibre (isopropanol)
543866	VFL-350	Visual fault locator
400870	TKT-CLEAN-EMEA	Fibre cleaning kit
429612	FAN-BT-3CM-25	Short 900µm buffer tub

Standard performance = typical loss 0.3dB

High Performance = typical loss 0.1 dB