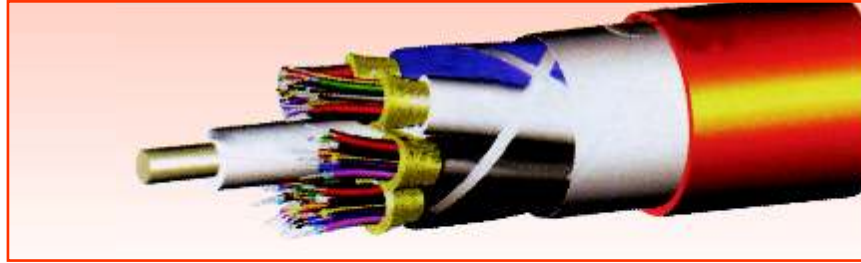


## Outdoor / Indoor Unarmoured Loose Tube Cable



### Description

The OptiLink P500/P800/PU Loose Tube Dielectric cable is constructed with industry standard 2 mm gel-filled, buffer tubes, standard around a central strength member.

### Application

These cables are designed for point-to-point applications as well as mid-span access, and provide is high-level of protection for fiber installed outdoor and indoor environment.

### Benefits and Features

- ✓ The OptiLink Loose Tube is constructed with industry standard 2 mm gel-filled, buffer tubes, standard around a central strength member.
- ✓ The buffer tubes are compatible with standard hardware, cable routing and fan-out kits.
- ✓ The cable core is water blocked with dry water blocking materials, making access and handling if individual tubes easier and craft-friendly.

### Physical and Mechanical Properties

Operating Temperature:	104°F to 158°F (40°C to 70°C) (Test Method: FOTP - 3)
Installation Temperature:	50°F to 140°F (-10°C to 60°C)
Storage Temperature:	-40°F to 167°F (-40°C to 75°C)
Crush Resistance:	250 Lbf/in (44 N/mm) (Test Method: FOTP - 41)
Impact Resistance:	Exceeds (Test Method: FOTP - 25)
Flexing:	Exceeds 25 cycles (Test Method: FOTP - 104)
Twist Bend:	Exceeds (Test Method: FOTP 85)

#### OptiLink P500

Core Size: 62.5 µm/50 µm OM2

#### OptiLink P800

Core Size: 50 µm OM3

#### OptiLink PU

Core Size: 9 µm SM OS1

Buffer tubes and fibers are identified with standard color-coding.

### Ordering Information

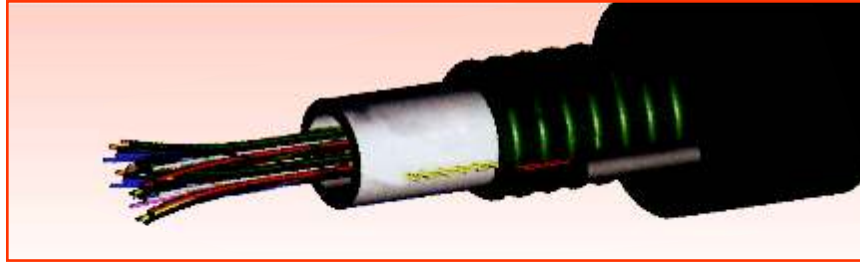
Description	Part Code	Part Code	Part Code	Part Code
Anti Termite - Nylon 12	Optilink P500, Multimode 62.5 µm	Optilink P500 Multimode 50 µm	Optilink P800 Multimode 50 µm OM3	Optilink PU Singlemode
04 fibers	DFCAO62GLN04	DFCAO50GLN04	DFCAO51GLN04	DFCAO09GLN04
06 fibers	DFCAO62GLN06	DFCAO50GLN06	DFCAO51GLN06	DFCAO09GLN06
12 fibers	DFCAO62GLN12	DFCAO50GLN12	DFCAO51GLN12	DFCAO09GLN12
24 fibers	DFCAO62GLN24	DFCAO50GLN24	DFCAO51GLN24	DFCAO09GLN24

### Ordering Information

Description	Part Code	Part Code	Part Code	Part Code
Halogen Free Fire Retardant	Optilink P500, Multimode 62.5 µm	Optilink P500 Multimode 50 µm	Optilink P800 Multimode 50 µm OM3	Optilink PU Singlemode
04 fibers	DFCAI62GLH04	DFCAI50GLH04	DFCAI51GLH04	DFCAI09GLH04
06 fibers	DFCAI62GLH06	DFCAI50GLH06	DFCAI51GLH06	DFCAI09GLH06
12 fibers	DFCAI62GLH12	DFCAI50GLH12	DFCAI51GLH12	DFCAI09GLH12
24 fibers	DFCAI62GLH24	DFCAI50GLH24	DFCAI51GLH24	DFCAI09GLH24

Premium Range

## Outdoor Armored Central Tube (Unitube) Cables



### Benefits and Features

- ✓ The OptiLink Dielectric and Metallic Sheath Cable can be used in underground conduit, direct buried or aerial applications.
- ✓ The cable is designed for easy mid-span entry.
- ✓ The fibers are separated into binder groups inside a central, tube gel-filled with water-blocking compound.
- ✓ The steel armor provides rodent and lightning protection.
- ✓ The sheath jacket material is high density polyethylene for maximum environmental protection and is petrochemical stable.

### Physical and Mechanical Properties

Operating Temperature:	104°F to 158°F (40°C to 70°C) (Test Method: FOTP 3)
Installation Temperature:	50°F to 140°F (-10°C to 60°C)
Storage Temperature:	-40°F to 167°F (-40°C to 75°C)
Crush Resistance:	250 lb/in (44 N/mm) (Test Method: FOTP 41)
Impact Resistance:	Exceeds (Test Method: FOTP 25)
Flexing:	Exceeds 25 cycles (Test Method: FOTP 104)
Twist Bend:	Exceeds (Test Method: FOTP 85)
<b>OptiLink P500</b>	
Core Size:	62.5 μm/50 μm OM2
<b>OptiLink P800</b>	
Core Size:	50 μm OM3
<b>OptiLink PU</b>	
Core Size:	9 μm SM OS1

Fibers are identified with standard color coding.

### Ordering Information

Description	Part Code	Part Code	Part Code	Part Code
Armoured Unitube	Optilink P500, Multimode 62.5 μm	Optilink P500 Multimode 50 μm	Optilink P800 Multimode 50 μm OM3	Optilink PU Singlemode 9 μm
04 fibers	DFCAO62GCT04	DFCAO50GCT04	DFCAO51GCT04	DFCAO09GCT04
06 fibers	DFCAO62GCT06	DFCAO50GCT06	DFCAO51GCT06	DFCAO09GCT06
08 fibers	DFCAO62GCT08	DFCAO50GCT08	DFCAO51GCT08	DFCAO09GCT08
12 fibers	DFCAO62GCT12	DFCAO50GCT12	DFCAO51GCT12	DFCAO09GCT12

## Outdoor Unarmoured Central Tube (Unitube) Cables



### Benefits and Features

- ✓ The OptiLink Dielectric Cable can be used in underground conduit, duct or aerial applications with messenger wire support.
- ✓ The cable is designed for easy mid-span entry.
- ✓ The fibers are separated into binder groups inside a central, tube gel-filled with water-blocking compound.
- ✓ The sheath jacket material is high density polyethylene for maximum environmental protection and is petrochemical stable.

### Physical and Mechanical Properties

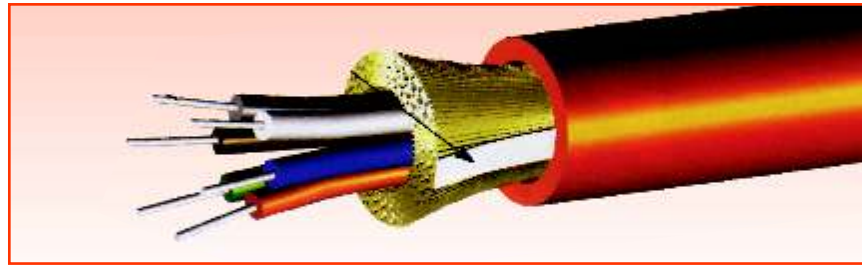
Operating Temperature:	104°F to 158°F (40°C to 70°C) (Test Method: FOTP - 3)
Installation Temperature:	50°F to 140°F (-10°C to 60°C)
Storage Temperature:	-40°F to 167°F (-40°C to 75°C)
Crush Resistance:	250 lbf/in (44 N/mm) (Test Method: FOTP - 41)
Impact Resistance:	Exceeds (Test Method: FOTP - 25)
Flexing:	Exceeds 25 cycles (Test Method: FOTP - 104)
Twist Bend:	Exceeds (Test Method: FOTP - 85)
<b>OptiLink P500</b>	
Core Size:	62.5 μm/50 μm OM2
<b>OptiLink P800</b>	
Core Size:	50 μm OM3
<b>OptiLink PU</b>	
Core Size:	9 μm SM OS1

Fibers are identified with standard color coding.

### Ordering Information

Description	Part Code	Part Code	Part Code	Part Code
Unarmoured Unitube	Optilink P500, Multimode 62.5 μm	Optilink P500 Multimode 50 μm	Optilink P800 Multimode 50 μm OM3	Optilink PU Singlemode 9 μm
04 Fibers	DFCAO62GCU04	DFCAO50GCU04	DFCAO51GCU04	DFCAO09GCU04
06 Fibers	DFCAO62GCU06	DFCAO50GCU06	DFCAO51GCU06	DFCAO09GCU06
08 Fibers	DFCAO62GCU08	DFCAO50GCU08	DFCAO51GCU08	DFCAO09GCU08
12 Fibers	DFCAO62GCU12	DFCAO50GCU12	DFCAO51GCU12	DFCAO09GCU12

## Indoor/Outdoor Tight Buffered Cables



### Benefits and Features

- ✓ The indoor distribution cable provides network performance for the applications of today and tomorrow that can be used in non-traditional building entrance facilities.
- ✓ 900 micron tight buffered construction allows for direct termination eliminating the need for furcation which minimizes installation expense utilizes water blocking technology which makes the cable suitable for the indoor and outdoor environment, with gel-free cable access.
- ✓ All-dielectric construction eliminates the need for bonding and grounding tested and qualified to GR-409 with GR-20, environmental limits, ICEA 696 and ICEA-640 environmental limits.
- ✓ Meets requirements for tight buffered constructions and suitable of installation in true OSP environmental conditions.

### Physical and Mechanical Properties

Operating Temperature:	104°F to 158°F (40°C to 70°C) (Test Method: FOTP-3)
Installation Temperature:	50°F to 140°F (-10°C to 60°C)
Storage Temperature:	-40°F to 167°F (-40°C to 75°C)
Crush Resistance:	Exceeds 126 lbf/in (22 N/mm) (Test Method: FOTP 41)
Impact Resistance:	Exceeds 4.34 lb-ft (5.88N-m) (Test Method: FOTP 25)
Flexing:	Exceeds 100 cycles (Test Method: FOTP 104)
Twist Bend:	Exceeds (Test Method: FOTP 85)
<b>OptiLink P500</b>	
Core Size:	62.5 μm/50 μm OM2
<b>OptiLink P800</b>	
Core Size:	50 μm OM3
<b>OptiLink PU</b>	
Core Size:	9 μm SM OS1

Fibers are identified with standard color coding.

### Ordering Information

Description	Part Code	Part Code	Part Code	Part Code
Premise Distribution cable	Optilink P500, Multimode 62.5 μm	Optilink P500 Multimode 50 μm	Optilink P800 Multimode 50 μm OM3	Optilink PU Singlemode 9 μm
04 Fibers	DFCAI62PDG04	DFCAI50PDG04	DFCAI51PDG04	DFCAI09PDG04
06 Fibers	DFCAI62PDG06	DFCAI50PDG06	DFCAI51PDG06	DFCAI09PDG06

## OptiLink Fiber Connectors



### Applications

- Local area networks
- LAN / WAN
- Telecommunication networks
- Data communication network
- Data Transmission
- CATV
- Instrumentation
- LAN

### Qualifications and Approvals

- Fully in compliance with JIS C5907 F01 Type
- Connectors comply to EIA/TIA 568 B as well as ISO/IES 11080 Standards
- Connectors are UL Listed as well as RoHS Complied

### Benefits and Features

- ✓ The termination of optical fiber is done with special connectors.
- ✓ Keeping in view the size of fiber and accuracy in alignment the connectors use precisely machine ceramic ferrules.
- ✓ The tips of these ferrules are required to be polished with utmost care.
- ✓ Fully in compliance with JIS C5973 F04 Type 2.5 mm Zirconia Ferrule, Wide range of Ferrule hole diameter selection
- ✓ Single mode and multimode version
- ✓ Push pull, Bayonet Type, Normal (205mm) as well as small form facier (1.25mm) are available
- ✓ Pre-Radiused Ferrule gives fast physical contact PC Polishing
- ✓ For 3.0 mm Cable & 0.9 mm Tight buffered fiber

### Physical and Mechanical Properties

Insertion Loss :	9/125 μm 0.3 dB SM., 62.5/125 μm 0.5 dB MM
Return Loss :	≤ -40 dB for PC Polishing
	≤ -45 dB for SPC Polishing
	≤ -55 dB for UPC Polishing
Durability (500 Mappings)	≤ 0.2 dB Max
Operating Temperature	-20°C to 70°C
Bayonet Coupling	
2.5 mm Zirconia Ferrule, Wide range of Ferrule hole Diameter Selection	
Pre-Radiused Ferrule gives fast physical contact PC Polishing	
Single mode and multimode version	
Insertion Loss ;	(@ 1310 nm)
SM (9/125) :	0.3 dB
MM (50/125) :	0.5 dB
MM (62.5/125) :	0.5 dB
Return Loss :	(for single mode fiber)
	≤ -40 dB in PC Polishing
	≤ -45 dB in SPC Polishing
	≤ -55 dB in UPC Polishing
Durability (500 Mappings)	≤ 0.2 dB Max
Operating Temperature	-20°C to 70°C
Insertion Loss SM (9/125) :	0.3 dB @ 1310 nm
MM (50/125)	≤ 0.5 dB @ 850 nm
MM (62.5/125)	≤ 0.5 dB @ 850 nm
Return Loss :	(for SM connectors)
	≤ -40 dB for PC Polishing
Return Loss :	≤ -40 dB in PC Polishing
	≤ -45 dB in SPC Polishing
	≤ -55 dB in UPC Polishing