

Outside Plant Flat Drop Optical Cable

Berk-Tek's Outside Plant Optical Flat Drop cable is designed for subscriber drop applications where low cost and easy access solutions are demanded. Compatible with standard wedge (P-Clamp) hangers over unsupported spans of up to 400 feet.

Description

Berk-Tek's Outside Plant Optical Flat Drop cable is available with up to 12 multimode, single-mode and GIGAlite™ optical fibers. Optimized for FTTx, MDU/MTU installations in an all-dielectric design. No bonding/grounding required

CONSTRUCTION

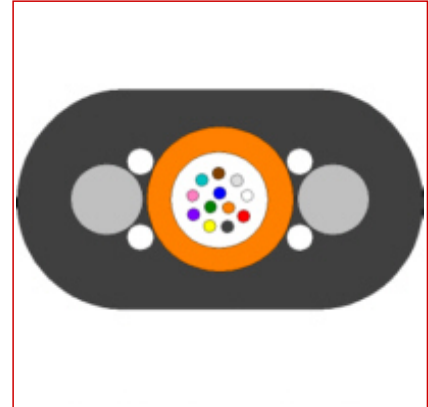
A single gel-filled buffer tube containing up to twelve 250 µm, individually colored fibers is reinforced by glass reinforced plastic (GRP) rods on each side. Suitable for aerial-lashed self supporting (P-clamp), direct buried, or conduit installations

OUTDOOR CONSIDERATION

Berk-Tek recommends that loose tube cables be utilized in an outside plant installation environment. Loose tube cables are especially recommended if the interbuilding conduit system is above the frost line and likely to fill with water.

STANDARDS

- International - ISO/IEC 11801
- European - EN 50173
- North American -
 - ANSI/TIA/EIA-568-B3
 - Telcordia GR-409
 - ICEA S-110-717



Standards

International EN 50173; ISO/IEC 11801

National ANSI/ICEA S-104-696; ICEA S-110-717; TIA/EIA-568-B ; Telcordia GR-409

APPLICATIONS

Berk-Tek's Outdoor Loose Tube fiber optic cable is intended for all high speed data applications, including:

- IEEE 802.3 10GBASE-SR/SW
- IEEE 802.3 10GBASE-LX4
- IEEE 802.3 1000BASE-SX/LX 1000 Mb/s
- FDDI 100 Mb/s
- ATM 155 Mb/s 622 Mb/s 1.2/2.4 Gb/s
- Fibre Channel FC-PH 1.062 Gb/s

FEATURES



RoHS conform
Yes

Outside Plant Flat Drop Optical Cable

- High tensile strength, crush resistant and small diameter design.
- Single-mode, multimode and hybrid design options available.
- All dielectric design.
- Fully water-blocked core using dry water blocking system.
- Gel filled loose tubes
- Pre-terminated assemblies available.

BENEFITS

- Drop cable spans of up to 400 feet.
- One cable design meeting all structured cabling applications .
- System grounding problems eliminated.
- Long-term reliability.
- Low cable plant maintenance, ease of installation.
- Reduce network costs.

TEMPERATURE RATING

Operation -40°C to +75°C

Storage -40°C to +85°C

Installation -30°C to +60°C

Characteristics

| Construction characteristics | |
|------------------------------|--------------|
| Outer sheath | Polyethylene |
| Usage characteristics | |
| RoHS conform | Yes |

Optical Performance Characteristics - All Fiber Counts

| Optical performance | Attenuation, max. 1550 nm (cabled) [dB/km] | Attenuation, max. 850 nm (cabled) [dB/km] | Attenuation, max. 1310 nm (cabled) [dB/km] | Attenuation, max. 1300 nm (cabled) [dB/km] |
|---------------------------------|--|---|--|--|
| AB (Single-mode, OS1) | 0.3 | - | 0.4 | - |
| CB (62.5/125 Standard, OM1) | - | 3.5 | - | 1.0 |
| EB (50/125 GIGAlite-10, OM3) | - | 3.0 | - | 1.0 |
| FB (50/125 GIGAlite 10-FB, OM4) | - | 3.0 | - | 1.0 |



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| Optical performance | Attenuation, max. 1550 nm (cabled) [dB/km] | Attenuation, max. 850 nm (cabled) [dB/km] | Attenuation, max. 1310 nm (cabled) [dB/km] | Attenuation, max. 1300 nm (cabled) [dB/km] |
|---|--|---|--|--|
| GB (62.5/125 GIGAlite, OM1 + Extended Distance) | - | 3.5 | - | 1.0 |
| LB (50/125 GIGAlite, OM2+ Extended Distance) | - | 3.0 | - | 1.0 |
| XB (50/125 GIGAlite10-XB, OM4+ Extended Distance) | - | 3.0 | - | 1.0 |
| ZB (50/125 FDDI, OM2) | - | 3.5 | - | 1.5 |

Physical Characteristics - All Fiber Types

| Nb optical fibres | Minimum Bending Radius - LongTerm [in] | Max. Load. Long Term (lbs) [lb] | Minimum Bending Radius - Install [in] | Approximate weight [lb/kft] | Maximum installation tension [lb] |
|-------------------|--|---------------------------------|---------------------------------------|-----------------------------|-----------------------------------|
| 2 | 3.3 | 90.0 | 4.8 | 24 | 300 |
| 4 | 3.3 | 90.0 | 4.8 | 24 | 300 |
| 6 | 3.3 | 90.0 | 4.8 | 24 | 300 |
| 8 | 3.3 | 90.0 | 4.8 | 24 | 300 |
| 10 | 3.3 | 90.0 | 4.8 | 24 | 300 |
| 12 | 3.3 | 90.0 | 4.8 | 24 | 300 |

Product List

☎=Make to order, 📦=Make to stock

| Part Number | Description |
|--------------------|---|
| ☎ OPFD002EB3010/25 | OSP Flat Drop 002 Fiber, 50/125 micron, 2000/500 MHz•km |
| ☎ OPFD002FB3010/F5 | OSP Flat Drop 002 Fiber, 50/125 micron, 4700/500 MHz•km |
| ☎ OPFD002XB3010/X5 | OSP Flat Drop 002 Fiber, 50/125 micron, 4900/500 MHz•km |
| ☎ OPFD002ZB3515/15 | OSP Flat Drop 002 Fiber, 50/125 micron, 500/500 MHz•km FDDI |
| ☎ OPFD002LB3010/75 | OSP Flat Drop 002 Fiber, 50/125 micron, 950/500 MHz•km |
| ☎ OPFD002CB3510/25 | OSP Flat Drop 002 Fiber, 62.5/125 micron, 200/500 MHz•km |
| ☎ OPFD002GB3510/25 | OSP Flat Drop 002 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km |
| ☎ OPFD002AB0403 | OSP Flat Drop 002 Fiber, Enhanced Single-Mode |
| ☎ OPFD004EB3010/25 | OSP Flat Drop 004 Fiber, 50/125 micron, 2000/500 MHz•km |
| ☎ OPFD004FB3010/F5 | OSP Flat Drop 004 Fiber, 50/125 micron, 4700/500 MHz•km |
| ☎ OPFD004XB3010/X5 | OSP Flat Drop 004 Fiber, 50/125 micron, 4900/500 MHz•km |
| ☎ OPFD004ZB3515/15 | OSP Flat Drop 004 Fiber, 50/125 micron, 500/500 MHz•km FDDI |
| ☎ OPFD004LB3010/75 | OSP Flat Drop 004 Fiber, 50/125 micron, 950/500 MHz•km |
| ☎ OPFD004CB3510/25 | OSP Flat Drop 004 Fiber, 62.5/125 micron, 200/500 MHz•km |
| ☎ OPFD004GB3510/25 | OSP Flat Drop 004 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km |

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| Part Number | Description |
|--------------------|---|
| ☎ OPFD004AB0403 | OSP Flat Drop 004 Fiber, Enhanced Single-Mode |
| ☎ OPFD006EB3010/25 | OSP Flat Drop 006 Fiber, 50/125 micron, 2000/500 MHz•km |
| ☎ OPFD006FB3010/F5 | OSP Flat Drop 006 Fiber, 50/125 micron, 4700/500 MHz•km |
| ☎ OPFD006XB3010/X5 | OSP Flat Drop 006 Fiber, 50/125 micron, 4900/500 MHz•km |
| ☎ OPFD006ZB3515/15 | OSP Flat Drop 006 Fiber, 50/125 micron, 500/500 MHz•km FDDI |
| ☎ OPFD006LB3010/75 | OSP Flat Drop 006 Fiber, 50/125 micron, 950/500 MHz•km |
| ☎ OPFD006CB3510/25 | OSP Flat Drop 006 Fiber, 62.5/125 micron, 200/500 MHz•km |
| ☎ OPFD006GB3510/25 | OSP Flat Drop 006 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km |
| ☎ OPFD006AB0403 | OSP Flat Drop 006 Fiber, Enhanced Single-Mode |
| ☎ OPFD008EB3010/25 | OSP Flat Drop 008 Fiber, 50/125 micron, 2000/500 MHz•km |
| ☎ OPFD008FB3010/F5 | OSP Flat Drop 008 Fiber, 50/125 micron, 4700/500 MHz•km |
| ☎ OPFD008XB3010/X5 | OSP Flat Drop 008 Fiber, 50/125 micron, 4900/500 MHz•km |
| ☎ OPFD008ZB3515/15 | OSP Flat Drop 008 Fiber, 50/125 micron, 500/500 MHz•km FDDI |
| ☎ OPFD008LB3010/75 | OSP Flat Drop 008 Fiber, 50/125 micron, 950/500 MHz•km |
| ☎ OPFD008CB3510/25 | OSP Flat Drop 008 Fiber, 62.5/125 micron, 200/500 MHz•km |
| ☎ OPFD008GB3510/25 | OSP Flat Drop 008 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km |
| ☎ OPFD008AB0403 | OSP Flat Drop 008 Fiber, Enhanced Single-Mode |
| ☎ OPFD010EB3010/25 | OSP Flat Drop 010 Fiber, 50/125 micron, 2000/500 MHz•km |
| ☎ OPFD010FB3010/F5 | OSP Flat Drop 010 Fiber, 50/125 micron, 4700/500 MHz•km |
| ☎ OPFD010XB3010/X5 | OSP Flat Drop 010 Fiber, 50/125 micron, 4900/500 MHz•km |
| ☎ OPFD010ZB3515/15 | OSP Flat Drop 010 Fiber, 50/125 micron, 500/500 MHz•km FDDI |
| ☎ OPFD010LB3010/75 | OSP Flat Drop 010 Fiber, 50/125 micron, 950/500 MHz•km |
| ☎ OPFD010CB3510/25 | OSP Flat Drop 010 Fiber, 62.5/125 micron, 200/500 MHz•km |
| ☎ OPFD010GB3510/25 | OSP Flat Drop 010 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km |
| ☎ OPFD010AB0403 | OSP Flat Drop 010 Fiber, Enhanced Single-Mode |
| ☎ OPFD012EB3010/25 | OSP Flat Drop 012 Fiber, 50/125 micron, 2000/500 MHz•km |
| ☎ OPFD012FB3010/F5 | OSP Flat Drop 012 Fiber, 50/125 micron, 4700/500 MHz•km |
| ☎ OPFD012XB3010/X5 | OSP Flat Drop 012 Fiber, 50/125 micron, 4900/500 MHz•km |
| ☎ OPFD012ZB3515/15 | OSP Flat Drop 012 Fiber, 50/125 micron, 500/500 MHz•km FDDI |
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| ☎ OPFD012CB3510/25 | OSP Flat Drop 012 Fiber, 62.5/125 micron, 200/500 MHz•km |
| ☎ OPFD012GB3510/25 | OSP Flat Drop 012 Fiber, 62.5/125 micron, GIGAlite 200/500 MHz•km |
| ☎ OPFD012AB0403 | OSP Flat Drop 012 Fiber, Enhanced Single-Mode |

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Contact

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Phone: 717-354-6200
fiber-pc.us@nexans.com

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Selling delivery information

PLEASE NOTE: In the interest of product improvement, Berk-Tek, a Nexans company may make improvements or changes in the products, the programs or services described at any time without notice. Additionally, the information contained herein may include typographical errors or technical inaccuracies. Changes will be periodically made to address any such issues.



RoHS conform
Yes