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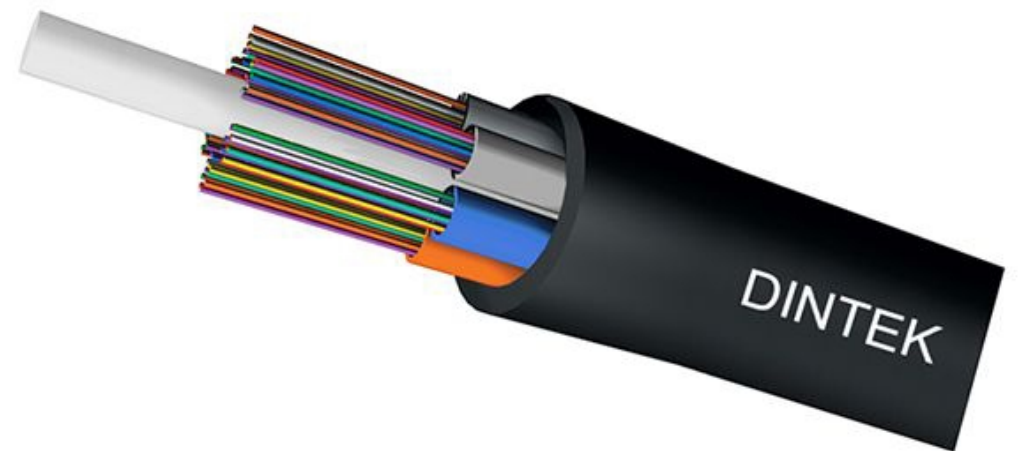
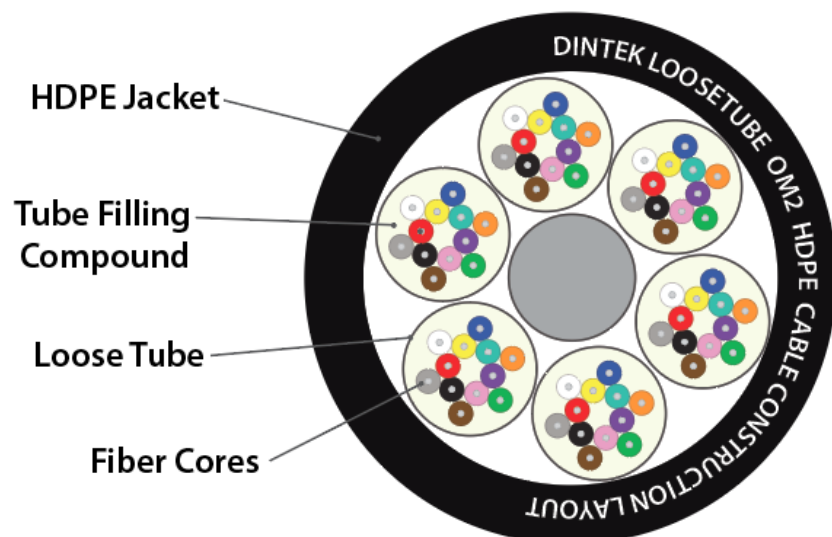
Light-LINKS OM2 Loosetube Outdoor Fiber Cable

DINTEK Light-LINKS™ Non-Armored Loose Tube fiber optic cables are designed to provide high fiber counts with the versatility and flexibility that is required for the most demanding of installations.

With fiber counts up to 144 our Non-Armored Loose Tube fiber optic cables comply with EIA/TIA, REA/RUS PE-90 and GR-20.

Main Features

- 02~144 Cores
- Loose tube design
- Color-coded fiber for easy identification
- PE for outside jacket material
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensures critical protection
- Crush resistance and flexibility
- PSP enhancing moisture-proof
- Small diameter, light-weight and friendly installation



Applications

- Duct/Aerial
- Exterior outside plant applications
- Backbone in LAN,MAN,WAN
- 10, 40, 100Gbps Ethernet
- SAN, Data Center

Standards

- Bellcore GR-20-CORE
- ISO/IEC11801
- ANSI/TIACabling Standard 568-2.D
- CENELEC EN 50173
- IEC60794-1

Ordering Information

| Product Number | Product Name | Std Pkg Qty | |
|----------------|--|-------------|--|
| 2103-02332 | Light-LINKS™ 4 Core Loose Tube Non-Armored OM2 Fiber | 2km / Reel | |
| 2103-02333 | Light-LINKS™ 6 Core Loose Tube Non-Armored OM2 Fiber | 2km / Reel | |
| 2103-02334 | Light-LINKS™ 8 Core Loose Tube Non-Armored OM2 Fiber | 2km / Reel | |
| 2103-02335 | Light-LINKS™ 12 Core Loose Tube Non-Armored OM2 Fiber | 2km / Reel | |
| | | | |
| | | | |
| | | | |
| | | | |
| | <i>Fiber counts up to 144 Cores are available upon request</i> | | |

Technical Specifications

| Construction | | Technical Data-Mechanical | | | |
|---------------------------------|-----------------|-------------------------------------|----------------|--------|--------|
| Exterior Jacket | | Max. Loading (IEC794-1) | 6-36C | 48-84C | 96C |
| Jacket Material | HDPE | Installation | 1000N | 1500N | 3000 N |
| Jacket Average Thickness | Average 1.8 mm | Operation | 400N | 600N | 1000 N |
| Internal Strength Member | | Crush Resistance (IEC794-1) | | | |
| Internal Strength Member | FRP | Installation | 300N / 100mm | | |
| Cable Reinforcement (Armor) | None | Operation | 1000N / 100mm | | |
| Fiber Size | 50 / 125 micron | Max. Bend Radius (IEC794-1) | | | |
| Buffer Diameters | | Installation | 20 x Diameter | | |
| Primary Buffer Size | 250µm ± 50µm | Operation | 10x Diameter | | |
| Loosetube | | Temperature Rating Operation | | | |
| Loose Tube Material | PBT | Installation / Operation | -40°C to +70°C | | |

Cable Dimensions

| Optical fiber | | OPTICAL FIBRE ITU-T G652D | | | | | | | | | | |
|-------------------------|----------------|---------------------------|----|----|----|----|--------------------|--|----|----|----|----|
| | | 6 Fibers Per Tube | | | | | 12 Fibers Per Tube | | | | | |
| | | 6 | 12 | 18 | 24 | 30 | 36 | | 48 | 60 | 72 | 84 |
| Cable Weight & Diameter | Diameter (mm) | Approx. 10.1mm | | | | | Approx. 11.0mm | | | | | |
| | Weight (kg/km) | Approx. 87.0kg | | | | | Approx. 103 kg | | | | | |
| Strength Member | Material | FRP (1 x Central Rod) | | | | | | | | | | |
| | Diameter | Approx 2.25mm | | | | | | | | | | |
| Loose Tube | Material | PBT | | | | | | | | | | |
| | Diameter | nom:1.9mm | | | | | nom:2.1mm | | | | | |

Technical Data-Transmission

| Fiber type | Attenuation | | | | OFL bandwidth | Effective modal bandwidth | 10 Gigabit Ethernet SX | Min bend radius |
|------------|---------------|-----------|-------------|-----------|---------------|---------------------------|------------------------|-----------------|
| | 1310/1550nm | | 850/1300nm | | 850/1300nm | 850nm | 850nm | / |
| Conditions | Typical | Maximum | Typical | Maximum | | | | |
| Unit | dB/km | dB/km | dB/km | dB/km | Mhz/Km | Mhz/Km | m | mm |
| G652D | ≤0.36 / ≤0.22 | 0.5 / 0.4 | --- | --- | --- | --- | --- | 16 |
| OM1 | --- | --- | ≤3.5 / ≤1.2 | 3.5 / 1.5 | ≥200 / 500 | --- | --- | 30 |
| OM2 | --- | --- | ≤3.3 / ≤1.2 | 3.5 / 1.5 | ≥500 / 500 | --- | --- | 30 |
| OM3 | --- | --- | ≤2.5 / ≤0.8 | 3.5 / 1.5 | ≥1500 / 500 | ≥2000 | ≤300 | 30 |

Color Arrangement

Fiber Colors

| | | | | | | |
|-------|------|--------|--------|--------|------|-------|
| No. | 1 | 2 | 3 | 4 | 5 | 6 |
| Color | Blue | Orange | Green | Brown | Gray | White |
| No. | 7 | 8 | 9 | 10 | 11 | 12 |
| Color | Red | Black | Yellow | Violet | Pink | Aqua |

The second set of 12 fibers with black rings is separated from the first set of 12.

Tube Colors

| | | | | | | |
|-------|------|--------|--------|--------|------|-------|
| No. | 1 | 2 | 3 | 4 | 5 | 6 |
| Color | Blue | Orange | Green | Brown | Gray | White |
| No. | 7 | 8 | 9 | 10 | 11 | 12 |
| Color | Red | Black | Yellow | Violet | Pink | Aqua |

Each tube containing either 6 or 12 separate fiber cores as per color coding above.

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