

TrayOptic® Heavy-Duty, All Dielectric Cable

Loose Tube — Indoor/Outdoor Riser Rated

Applications

- Industrial and other harsh environment applications
- Factory automation
- Direct burial

Product Description

Laser Optimized Fiber to handle Gigabit Ethernet light sources and expanded bandwidth requirements. Passes IEEE 383-2003 flame test. Waterblocking agent for moisture protection. CPE outer jacket option provides extra chemical or abrasion resistance.

| | |
|-----------------|-------------|
| Fiber Type | 62.5/125μ |
| Jacket Material | PVC or CPE |
| Strength Member | Aramid Yarn |
| Jacket Color | Orange |

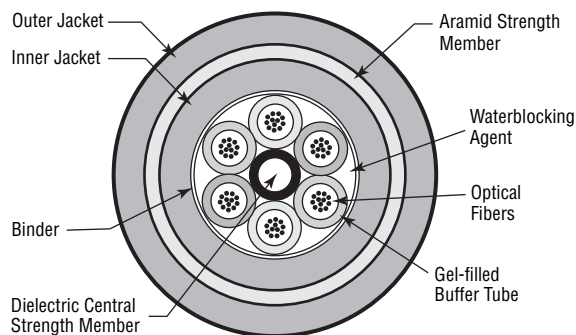
Ratings

| | |
|------------------|---------------|
| Riser | |
| UL Type | OFNR |
| cUL Type | OFN FT4 |
| Flame Resistance | IEEE 383-2003 |

Specifications

| | |
|---------------------------------------|---|
| Temperature Range | |
| Storage | -40 to +70°C |
| Operating | -40 to +70°C |
| Crush Resistance (EIA-455-41) | 2000 N/cm |
| Impact Resistance (EIA-455-25) | 2000 impacts @ 1.6N-m |
| Cyclic Flexing (EIA-455-104) | 25 cycles, 12 lbs., 20 x OD radius min. |
| Min. Bend Radius | |
| Installation | 20 x OD |
| Long Term | 15 x OD |
| Maximum Installation Load | 600 lbs. (2700 N) |
| Optical Specifications | See page 10.2 |

Fiber Bundle Detail



| No. of Fibers | Fibers Per Tube | Outside Diameter | | PVC Jacket | | | CPE Jacket | | |
|---------------|-----------------|------------------|----|-----------------|-------------------|--------------|-----------------|-------------------|--------------|
| | | Inches | mm | Belden Part No. | Weight Lbs./1000' | Weight kg/km | Belden Part No. | Weight Lbs./1000' | Weight kg/km |

TrayOptic Series

| Riser (NEC/CEC OFNR/OFN FT4) | | | | | | | | | |
|------------------------------|----|-------|-------|---------|-----|-----|---------|-----|-----|
| 2 | 2 | 0.440 | 11.18 | I100255 | 88 | 131 | I100266 | 83 | 124 |
| 4 | 4 | 0.440 | 11.18 | I100455 | 88 | 131 | I100466 | 83 | 124 |
| 6 | 6 | 0.440 | 11.18 | I100655 | 88 | 131 | I100666 | 83 | 124 |
| 8 | 4 | 0.440 | 11.18 | I400855 | 88 | 131 | I400866 | 83 | 124 |
| 12 | 6 | 0.440 | 11.18 | I601255 | 88 | 131 | I601266 | 83 | 124 |
| 18 | 6 | 0.440 | 11.18 | I601855 | 88 | 131 | I601866 | 83 | 124 |
| 24 | 6 | 0.440 | 11.18 | I602455 | 88 | 131 | I602466 | 83 | 124 |
| 36 | 6 | 0.440 | 11.18 | I603655 | 88 | 131 | I603666 | 83 | 124 |
| 48 | 12 | 0.540 | 13.72 | I604855 | 136 | 202 | I604866 | 129 | 192 |
| 60 | 12 | 0.540 | 13.72 | I606055 | 136 | 202 | I606066 | 129 | 192 |
| 72 | 12 | 0.540 | 13.72 | I607255 | 136 | 202 | I607266 | 129 | 192 |

All optical fiber products can be supplied in compliance with RoHS regulations. Please contact Customer Service for more details.

Industrial Data Solutions® — Industrial Ethernet

TrayOptic® Heavy-Duty, All-Dielectric Fiber Optic Cables Loose Tube — Indoor/Outdoor Riser & Tray

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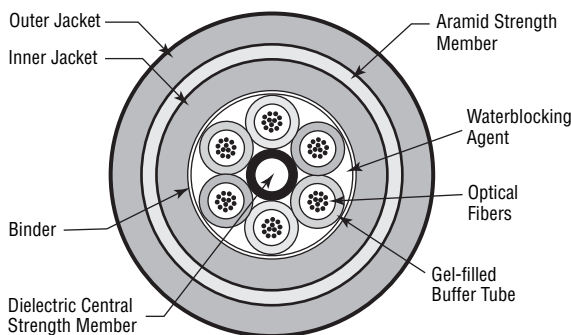
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| Flame Resistance | IEEE 383-2003 |

Specifications

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| Temperature Range | |
| Storage | -40 to +70°C |
| Operating | -40 to +70°C |
| Crush Resistance (EIA-455-41) | 500 lbs./in. min. |
| Impact Resistance (EIA-455-25) | 3.3 ft.-lbs./25 impacts min. @ 2.2N-m |
| Cyclic Flexing (EIA-455-104) | 25 cycles, 12 lbs., 20 x OD radius min. |
| Min. Bend Radius | |
| Installation | 20 x OD |
| Long Term | 15 x OD |
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