



For more Information
please call

1-800-Belden1



Description:

This cable has been upgraded with a water-blocking agent. The Industrial series of products utilize Gigabit Ethernet Grade fiber to handle tomorrow's Gigabit Ethernet light sources and expanded bandwidth requirements.

Physical Characteristics (Overall)

| | |
|----------------------------------|---------------------|
| Fiber Type: | 62.5/125/250 Micron |
| Number of Fibers: | 18 |
| Core Diameter: | 62.5 +/- 2.5 |
| Core Non-Circularity: | 5% Maximum |
| Clad Diameter: | 125 +/- 2 |
| Clad Non-Circularity: | 1% Maximum |
| Primary Coating Material: | Acrylate |
| Primary Coating Diameter: | 245 +/- 10 |

Fiber Color Code Chart:

| Color |
|--------------|
| Blue, Orange |
| Green |
| Brown |
| Gray |
| White |

| | |
|--------------------------------------|-------------------------------|
| Buffer Tube Diameter: | 1.9 |
| Buffer Tube Material: | Flame Retardant Thermoplastic |
| Buffer Tube Filling Material: | Synthetic Thixotropic Gel |

Buffer Tube Color Code Chart:

| Number | Color |
|--------|--------|
| 1 | Blue |
| 2 | Orange |
| 3 | Green |

| | |
|--------------------------|---------------------|
| Core-clad Offset: | 1.5 microns Maximum |
|--------------------------|---------------------|

Inner Jacket

| | |
|------------------------------|-----------|
| Inner Jacket Ripcord: | Polyester |
|------------------------------|-----------|

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material |
|--------------------------------|
| CPE - Chlorinated Polyethylene |

| | |
|------------------------------|-----------|
| Outer Jacket Ripcord: | Polyester |
| Outer Jacket Color: | Orange |

Strength Member

| | |
|----------------------------------|-----------------------------------|
| Strength Member Material: | Fiberglass Epoxy Rod, Aramid Yarn |
|----------------------------------|-----------------------------------|

Overall Cable

| | |
|----------------------------------|-----------|
| Overall Cabling Fillers: | PVC |
| Overall Nominal Diameter: | 0.440 in. |

Mechanical Characteristics (Overall)

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|--|---|
| Storage Temperature Range: | -40°C To +80°C |
| Operating Temperature Range: | -40°C To +70°C |
| Bulk Cable Weight: | 83 lbs/1000 ft. |
| Min. Bend Radius (Install)/Minor Axis: | 8.800 in. |
| Min. Bend Radius for Long Term Application: | 6.600 in. |
| Crush Resistance: | Passes TIA/EIA 455-41; 2000 N/cm |
| Impact Resistance: | Passes TIA/EIA 455-25; 2000 Impacts @ 1.6 N-m |
| Solar Radiation Resistance: | High |
| Water Penetration: | Passes TIA/EIA 455-82 |
| Compound Flow: | Passes TIA/EIA 455-81 |
| Max. Load for Installation: | 600 lbs. |
| Max. Load for Long Term Application: | 180 lbs. |
| Proof Test: | 100 kpsi |

Applicable Specifications and Agency Compliance (Overall)**Applicable Standards & Environmental Programs**

| | |
|--|------------|
| NEC/(UL) Specification: | OFNR |
| CEC/C(UL) Specification: | OFNR |
| IEEE Specification: | 802.3Z |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2006 |
| EU Directive 2002/96/EC (WEEE): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flame Test

| | |
|--------------------------|--|
| C(UL) Flame Test: | FT4 |
| IEEE Flame Test: | 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) |

Plenum/Non-Plenum

| | |
|----------------------|----|
| Plenum (Y/N): | No |
|----------------------|----|

Optical Characteristics (Overall)

| | |
|---|------------|
| Maximum Attenuation @ 850nm: | 3.25 dB/km |
| Maximum Attenuation @ 1300nm: | 1.0 dB/km |
| Point Loss @ 850nm & 1300nm: | 0.2 |
| Minimum Bandwidth @ 850nm: | 200 MHz*km |
| Minimum Bandwidth @ 1300nm: | 500 MHz*km |
| Refractive Index @ 850nm: | 1.496 |

| | |
|----------------------------|-------|
| Refractive Index @ 1300nm: | 1.491 |
|----------------------------|-------|

| | |
|----------------------|------|
| Numerical Aperature: | .275 |
|----------------------|------|

| | |
|--|-----|
| Maximum Gigabit Ethernet Length @ 850nm: | 300 |
|--|-----|

| | |
|---|-----|
| Maximum Gigabit Ethernet Length @ 1300nm: | 550 |
|---|-----|

Related Documents:
[Loose Tube Trayoptic Cable.pdf](#) - Loose Tube Trayoptic Cable
Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|-------|-------------|--------|-------|-----------------------|
| I601866 | 1 FT | 0.000 | ORANGE | | T-OPT OM1 18F OFNR LT |
| I601866 003X | 1 FT | 0.000 LB | ORANGE | | 62.5UM TRAYOPTIC CPE |

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