

**M97112 Fiber - Tight Buffer Interconnect Cables - Riser (OFNR)**

For more Information  
please call

1-800-Belden1

**Description:**

Tight Buffer Interconnect Cables.

**Physical Characteristics (Overall)**

|                             |                           |
|-----------------------------|---------------------------|
| Fiber Type:                 | 62.5/125/900 Micron       |
| Number of Fibers:           | 1                         |
| Core Diameter:              | 62.5 +/- 2.5              |
| Core Non-Circularity:       | 5% maximum                |
| Clad Diameter:              | 125 +/- 2                 |
| Clad Non-Circularity:       | 2.0% maximum              |
| Primary Coating Material:   | Acrylate                  |
| Primary Coating Diameter:   | 245 +/- 10                |
| Secondary Coating Material: | Engineering Thermoplastic |
| Secondary Coating Diameter: | 900 +/- 50                |

**Fiber Color Code Chart:**

| Color |
|-------|
| Slate |

|                   |                   |
|-------------------|-------------------|
| Core-clad Offset: | 3 microns maximum |
|-------------------|-------------------|

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

|                     |        |
|---------------------|--------|
| Outer Jacket Color: | Orange |
|---------------------|--------|

**Strength Member**

|                           |             |
|---------------------------|-------------|
| Strength Member Material: | Aramid Yarn |
|---------------------------|-------------|

**Overall Cabling**

|                           |           |
|---------------------------|-----------|
| Overall Nominal Diameter: | 0.114 in. |
|---------------------------|-----------|

**Mechanical Characteristics (Overall)**

|   |                    |
|---|--------------------|
| Storage Temperature Range:                  | -40°C To +75°C     |
| Operating Temperature Range:                | -20°C To +75°C     |
| Bulk Cable Weight:                          | 5.600 lbs/1000 ft. |
| Min. Bend Radius (Install)/Minor Axis:      | 2 in.              |
| Min. Bend Radius for Long Term Application: | 1 in.              |
| Max. Load for Installation:                 | 106 lbs.           |
| Max. Load for Long Term Application:        | 35 lbs.            |
| Proof Test:                                 | 100 kpsi           |

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## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| NEC/(UL) Specification:               | OFNR       |
| CEC/C(UL) Specification:              | OFN        |
| 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 |
|-------------------|-----|

## Suitability

|                        |     |
|------------------------|-----|
| Suitability - Indoor:  | Yes |
| Suitability - Outdoor: | No  |

## Plenum/Non-Plenum

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

## Optical Characteristics (Overall)

|   |            |
|---|------------|
| Maximum Attenuation @ 850nm:              | 3.5 dB/km  |
| Maximum Attenuation @ 1300nm:             | 1.25 dB/km |
| Point Loss @ 850nm & 1300nm:              | .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        |

## Reference (Overall)

|                       |         |
|-----------------------|---------|
| Previous Part Number: | PTS6001 |
|-----------------------|---------|

## Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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