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please call  
1-800-Belden1

## Description

All TrayOptic® cables have been upgraded with a water-blocking agent. The TrayOptic series of products utilize the LCF™ to handle tomorrow's gigabit Ethernet light sources and expanded bandwidth requirements.

## Physical Characteristics (Overall):

Fiber Type	62.5/125/245 Micron
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Number of Fibers	10
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Core Diameter	62.5 +/- 2.5
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Core Non-Circularity	5% Maximum
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Clad Diameter	125 +/- 1
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Clad Non-Circularity	1% Maximum
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Primary Coating Material	Acrylate
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Primary Coating Diameter	245 +/- 10
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Fiber Color Code Chart

Color	
Chart No. 10: Fiber Optic	

Buffer Tube Diameter	2.5
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Buffer Tube Material	PBT - Polybutylene Terephthalate
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Buffer Tube Filling Material	Synthetic Thixotropic Gel
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Buffer Tube Color Code Chart

Number	Color
1	Blue
2	Orange

Core-clad Offset	1.5 Microns Maximum
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### Inner Jacket:

Inner Jacket Nominal Wall Thickness	.075
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Inner Jacket Ripcord	Polyester
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### Outer Jacket:

Outer Jacket Material

Outer Jacket Material	
PVC - Polyvinyl Chloride	

Outer Jacket Nominal Wall Thickness	.050
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Outer Jacket Ripcord	Polyester
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Outer Jacket Color	Orange
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### Strength Member:

Strength Member Material	Fiberglass Epoxy Rod, Fiberglass Yarn
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### Overall Cabling:

Overall Cabling Fillers	PVC
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Overall Nominal Diameter:	0.572 in.
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## Mechanical Characteristics (Overall):

Operating Temperature Range	-40°C To +75°C
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Storage Temperature Range	-40°C To +75°C
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Bulk Cable Weight:	135 lbs/1000 ft.
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## ENGLISH MEASUREMENT VERSION

**I601055 Fiber - TrayOptic®**

Min. Bend Radius (Install):	11.400 in.
Min. Bend Radius for Long Term Application:	5.700 in.
Crush Resistance	500 lbs./in. per TIA/EIA 455-41
Impact Resistance	3.3 ft.-lbs. per TIA/EIA 455-25
Solar Radiation Resistance	High
Water Penetration	Passes TIA/EIA 455-82
Compound Flow	Passes TIA/EIA 455-81
Cyclic Flexing	25 Cycles per TIA/EIA 455-104
Twist Bend	25 Cycles per TIA/EIA 455-91
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:**

NEC/(UL) Specification	OFNR
CEC/C(UL) Specification	OFNR
IEEE Specification	802.3Z
EU RoHS Compliant (Y/N)	No

**Flame Test:**

C(UL) Flame Test	FT4
IEEE Flame Test	383

**Suitability:**

Suitability - Indoor	Excellent
Suitability - Outdoor	Excellent
Suitability - Aerial	Excellent
Suitability - Burial	Fair
Sunlight Resistance	High

**Plenum/Non-Plenum:**

Plenum (Y/N)	N
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**Optical Characteristics (Overall):**

Maximum Attenuation @ 850nm	3.5
Maximum Attenuation @ 1300nm	1.0
Point Loss @ 850nm & 1300nm	0.2
Minimum Bandwidth @ 850nm	220
Minimum Bandwidth @ 1300nm	600
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

**PUT UPS AND COLORS:**

Item #	Putup	Ship Weight	Jacket Color	Notes	Item Desc
I601055 002X	2000	152.000	BLACK	C	2 CONDR PARALLEL COAX
I601055 003X	5000	1215.000	BLACK	C Z	#14/4C XLPE SH PVC

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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