Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1400855 Fiber - TrayOptic®





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:	8		
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
Slate & 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	

Core-clad Offset: 1.5 Microns Maximum

Inner Jacket

Inner Jacket Ripcord: Polyester

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

 Outer Jacket Ripcord:
 Polyester

 Outer Jacket Color:
 Orange

Strength Member

Strength Member Material: Fiberglass Epoxy Rod, Aramid Yarn

Page 1 of 3 01-06-2012

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



I400855 Fiber - TrayOptic®

Overall Cabling Fillers: PVC					
Overall Nominal Diameter: 0.440 in.	Overall Cable	DVO			
Storage Temperature Range:					
Storage Temperature Range:	Overall Nominal Diameter:	0.440 in.			
Operating Temperature Range:	Mechanical Characteristics (Overall)				
Bulk Cable Weight:	Storage Temperature Range:	-40°C To +80°C			
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 455-42; 2000 Impacts @ 1.6 N-m Solar Radiation Resistance: High Water Penetration: Passes TIA/EIA 455-82 Compound Flow: 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 pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: OFNR IEEE Specification: OFNR IEEE Specification: OFNR IEEE Specification: 802.32 EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (RWEEE): Yes EU Directive 2003/95/EC (WEEE): Yes EU Directive 2003/95/EC	Operating Temperature Range:	-40°C To +70°C			
Min. Bend Radius for Long Torm 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 OPPICABLE Specifications and Agency Compliance (Overall) Applicable Specification: MEC/(UL) Specification: OFNR CEC/C(UL) Specification: OFNR CEC/C(UL) Specification: OFNR EU Directive 2000/35/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2003/1/EC (BFR): Yes EU Directive 2003/1/EC (BFR): Yes EU Directive 2003/1/EC (BFR): Yes Mill Order #39 (China RoHS): Yes **Image: Flame Test: (20, IEEE 383 Vertical Tray Flame Test (70,000 BTU) **Plenum/Non-Plenum	Bulk Cable Weight:	88 lbs/1000 ft.			
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 pplicable 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 (RoHS): Yes EU Directive 2002/96/EC (RoHS): Yes EU Directive 2002/96/EC (WetEE): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/Non-Plenum Plenum (Y/N): No Plenum (Y/N): No Maximum Attenuation @	Min. Bend Radius (Install)/Minor Axis:	8.800 in.			
Impact Resistance:	Min. Bend Radius for Long Term Application:	6.600 in.			
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 ppplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: OFNR CEC/C(UL) Specification: OFNR IEEE Specification: 802-32 EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/95/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 56 (CJ for Wire & Cable): Yes Mill Order #39 (China RoHS): Yes CULL) Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum (VN): No Plenum (VN): No 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 Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km	Crush Resistance:	Passes TIA/EIA 455-41; 2000 N/cm			
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 Proof Test: 0100 kpsi Applicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(UL) Specification: OFNR CEC/C(UL) Specification: OFNR LEEE Specification: 802-3Z EU Directive 2000/53/EC (ELV): Yes EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes CHAND Test: FT4 LEEE Flame Test: 1202, LEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum (YN): No Plenum (YN): No Maximum Attenuation @ 850nm: 3.25 dB/km Maximum Attenuation @ 1300nm: 1.0 dB/km Point Loss @ 850nm & 1300nm: 0.2 Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km	Impact Resistance:	Passes TIA/EIA 455-25; 2000 Impacts @ 1.6 N-m			
Compound Flow: Passes TIA/E/A 455-81 Max. Load for Installation: 600 lbs. Max. Load for Long Term Application: 180 lbs. Proof Test: 100 kpsi pplicable Specifications and Agency Compliance (Overall) Applicable Standards & Environmental Programs NEC/(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 2003/19/EC (WEEE): Yes EU Directive 2003/19/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): 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) Point (Nn): No No Notical Characteristics (Overall) Maximum Attenuation @ 850nm: 3.25 dB/km Maximum Attenuation @ 1300nm: 0.2 Minimum Bandwidth @ 850nm: 200 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km	Solar Radiation Resistance:	High			
Max. Load for Installation: 600 lbs. Max. Load for Long Term Application: 180 lbs. Proof Test: 100 kpsi pplicable 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 2000/53/EC (RoHS): Yes EU Directive 2002/95/EC (RoHS): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes Tame Test C(UL) Flame Test: FT4 IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/Non-Plenum Plenum (YN): No point al 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 Minimum Bandwidth @ 1300nm: 500 MHz*km	Water Penetration:	Passes TIA/EIA 455-82			
Max. Load for Long Term Application: 180 lbs. Proof Test: 100 kpsi pplicable 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 Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes Mil Order #39 (China RoHS): Yes Plame Test C(UL) Flame Test: FT4 IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/Non-Plenum Plenum (YN): No poptical 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 Minimum Bandwidth @ 1300nm: 500 MHz*km	Compound Flow:	Passes TIA/EIA 455-81			
Proof Test: 100 kpsi pplicable 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 EU Directive 2003/11/EC (BFR): Yes CA Prop 65 (CJ for Wire & Cable): Yes MII Order #39 (China RoHS): Yes C(UL) Flame Test: FT4 IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum (Y/N): No Plenum (Y/N): No 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 Minimum Bandwidth @ 1300nm: 500 MHz*km	Max. Load for Installation:	600 lbs.			
pplicable 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 Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): 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: IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum (Y/N): No Potical Characteristics (Overall) Maximum Attenuation @ 850nm: 1.0 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 Minimum Bandwidth @ 1300nm: 500 MHz*km	Max. Load for Long Term Application:	180 lbs.			
Applicable Standards & Environmental Programs NEC/(UL) Specification: OFNR CEC/C(UL) Specification: OFNR IEEE Specification: B02.3Z EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): 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 CAP Top 65 (CJ for Wire & Cable): Yes CUL) Flame Test: C(UL) Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/(Non-Plenum Plenum (Y/N): No No No point 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 Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km	Proof Test:	100 kpsi			
Applicable Standards & Environmental Programs NEC/(UL) Specification: OFNR CEC/C(UL) Specification: OFNR IEEE Specification: B02.3Z EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): 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 CAP Top 65 (CJ for Wire & Cable): Yes CUL) Flame Test: C(UL) Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/(Non-Plenum Plenum (Y/N): No No No point 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 Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km	upplicable Specifications and Agency Compliance (Overall)				
CEC/C(UL) Specification: IEEE Specification: 802.3Z EU Directive 2000/53/EC (ELV): Yes EU Directive 2002/95/EC (RoHS): EU RoHS Compliance Date (mm/dd/yyyy): EU Directive 2002/96/EC (WEEE): Yes EU Directive 2002/96/EC (WEEE): Yes EU Directive 2003/11/EC (BFR): Yes EU Directive 2003/11/EC (BFR): Yes MII Order #39 (China RoHS): Yes MII Order #39 (China RoHS): FT4 IEEE 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 Aptical Characteristics (Overall) Maximum Attenuation @ 850nm: 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					
BEEE Specification: 802.3Z	NEC/(UL) Specification:	OFNR			
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 Mil Order #39 (China RoHS): Yes C(UL) 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 Potical 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 Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496	CEC/C(UL) Specification:	OFNR			
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 Mil Order #39 (China RoHS): Yes C(UL) 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	IEEE Specification:	802.3Z			
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 Point Loss @ 850nm: 3.25 dB/km Maximum Attenuation @ 1300nm: 1.0 dB/km Point Loss @ 850nm: 200 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496	EU Directive 2000/53/EC (ELV):	Yes			
EU Directive 2003/11/EC (BFR): EU Directive 2003/11/EC (BFR): CA Prop 65 (CJ for Wire & Cable): MII Order #39 (China RoHS): Yes C(UL) Flame Test: C(UL) Flame Test: 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: Maximum Attenuation @ 1300nm: 1.0 dB/km Point Loss @ 850nm & 1300nm: 0.2 Minimum Bandwidth @ 850nm: Minimum Bandwidth @ 1300nm: 500 MHz*km Mefractive Index @ 850nm: 1.496	EU Directive 2002/95/EC (RoHS):	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	EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2006			
CA Prop 65 (CJ for Wire & Cable): 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: Maximum Attenuation @ 1300nm: 1.0 dB/km Point Loss @ 850nm & 1300nm: O.2 Minimum Bandwidth @ 850nm: 200 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496	EU Directive 2002/96/EC (WEEE):	Yes			
MII Order #39 (China RoHS): Yes Flame Test C(UL) Flame Test: IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/Non-Plenum Plenum (Y/N): No No Poptical Characteristics (Overall) Maximum Attenuation @ 850nm: Maximum Attenuation @ 1300nm: 1.0 dB/km Point Loss @ 850nm & 1300nm: O.2 Minimum Bandwidth @ 850nm: 200 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496	EU Directive 2003/11/EC (BFR):	Yes			
C(UL) 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 Poptical Characteristics (Overall) Maximum Attenuation @ 850nm: 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	CA Prop 65 (CJ for Wire & Cable):	Yes			
C(UL) Flame Test: IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/Non-Plenum Plenum (Y/N): No Pptical Characteristics (Overall) Maximum Attenuation @ 850nm: 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	MII Order #39 (China RoHS):	Yes			
IEEE Flame Test: 1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU) Plenum/Non-Plenum Plenum (Y/N): No Poptical 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	Flame Test				
Plenum (Y/N): No Pptical 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					
Plenum (Y/N): No Potical Characteristics (Overall) Maximum Attenuation @ 850nm: Maximum Attenuation @ 1300nm: 1.0 dB/km Point Loss @ 850nm & 1300nm: 0.2 Minimum Bandwidth @ 850nm: Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496		1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)			
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	Plenum/Non-Plenum	N.			
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	Pienum (Y/N):	INO			
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	Optical Characteristics (Overall)				
Point Loss @ 850nm & 1300nm: 0.2 Minimum Bandwidth @ 850nm: 200 MHz*km Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496	Maximum Attenuation @ 850nm:	3.25 dB/km			
Minimum Bandwidth @ 850nm:200 MHz*kmMinimum Bandwidth @ 1300nm:500 MHz*kmRefractive Index @ 850nm:1.496	Maximum Attenuation @ 1300nm:	1.0 dB/km			
Minimum Bandwidth @ 1300nm: 500 MHz*km Refractive Index @ 850nm: 1.496	Point Loss @ 850nm & 1300nm:	0.2			
Refractive Index @ 850nm: 1.496	Minimum Bandwidth @ 850nm:	200 MHz*km			
	Minimum Bandwidth @ 1300nm:	500 MHz*km			
Refractive Index @ 1300nm: 1.491	Refractive Index @ 850nm:	1.496			
	Refractive Index @ 1300nm:	1.491			

Page 2 of 3 01-06-2012

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1400855 Fiber - TrayOptic®

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
1400855	1 FT	0.103 LB	ORANGE		T-OPT OM1 8F OFNR LT
I400855 003X	1 FT	0.000 LB	ORANGE		8G2 IN/OUT LT RSR ORG

Revision Number: 2 Revision Date: 03-18-2009

© 2012 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. This Product Disclosure is not a prography or guilty predictive for the one that it becomes a part of. to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.