

[Print Preview](#)

[Show Metric](#)

I6E2455



Fiber - TrayOptic®

FiberExpress Tray Optic Cable, 24-Fiber, OM4 OFNR, Loose Tube, Indoor & Outdoor Rated with UV Resistant Aqua PVC Jacket, Industrial Grade, Water-blocked with Gigabit Ethernet Grade fiber.

**For more Information
Please call**

1-800-Belden1



[Click here for Certificate](#)

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
I6E2455	1 FT	0.000	AQUA		REPLACED BY FD4T024RF

Physical Characteristics (Overall)

Product Family - Riser:

Fiber Count	# Fibers/ Tubes	Type	OM1 MM 62.5/125 1 Gb	OM2 MM 50/125 1 Gb	OM3 MM 50/125 10 Gb 300m	OM4 MM 50/125	OS2 - SM
2	2	PVC	I100255	I1A0255	I1C0255	I1E0255	I1W0255
4	4	PVC	I100455	I1A0455	I1C0455	I1E0455	I1W0455
6	6	PVC	I100655	I1A0655	I1C0655	I1E0655	I1W0655
8	4	PVC	I400855	I4A0855	I4C0855	I4E0855	I4W0855
12	6	PVC	I601255	I6A1255	I6C1255	I6E1255	I6W1255
18	6	PVC	I601855	I6A1855	I6C1855	I6E1855	I6W1855
24	6	PVC	I602455	I6A2455	I6C2455	I6E2455	I6W2455
36	6	PVC	I603655	I6A3655	I6C3655	I6E3655	I6W3655
48	12	PVC	I604855	I6A4855	I6C4855	I6E4855	I6W4855
60	12	PVC	I606055	I6A6055	I6C6055	I6E6055	I6W6055
72	12	PVC	I607255	I6A7255	I6C7255	I6E7255	I6W7255
2	2	CPE	I100266	I1A0266	I1C0266	I1E0266	I1W0266

4	4	CPE	I100466	I1A0466	I1C0466	I1E0466	. .	I1W0466
6	6	CPE	I100666	I1A0666	I1C0666	I1E0666	. .	I1W0666
8	4	CPE	I400866	I4A0866	I4C0866	I4E0866	. .	I4W0866
12	5	CPE	I601266	I6A1266	I6C1266	I6E1266	. .	I6W1266
18	6	CPE	I601866	I6A1866	I6C1866	I6E1866	. .	I6W1866
24	6	CPE	I602466	I6A2466	I6C2466	I6E2466	. .	I6W2466
36	6	CPE	I603666	I6A3666	I6C3666	I6E3666	. .	I6W3666
48	12	CPE	I604866	I6A4866	I6C4866	I6E4866	. .	I6W4866
60	12	CPE	I606066	I6A6066	I6C6066	I6E6066	. .	I6W6066
72	12	CPE	I607266	I6A7266	I6C7266	I6E7266	. .	I6W7266

Fiber Type: 50 Micron (OM4)
Number of Fibers: 24
Core Diameter: 50
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

Core-clad Offset: 1.5 Microns Maximum

Inner Jacket

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color: AQUA

Overall Cable

Overall Cabling Fillers:	PVC
Overall Nominal Diameter:	0.430 in.

Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +70°C
Installation Temperature Range:	-20°C To +60°C
Operating Temperature Range:	-40°C To +70°C
Bulk Cable Weight:	92 lbs/1000 ft.
Min. Bend Radius/Minor Axis:	8.600 in.
Min. Bend Radius for Long Term Application:	6.500 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
EU Directive 2011/65/EU (ROHS II):	Yes
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
Other Specification:	Suitable for installation in trays per NFPA 70.

Flame Test

CSA Flame Test:	FT4
IEEE Flame Test:	1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)

Suitability

Suitability - Aerial:	Yes - When supported by messenger wire
-----------------------	--

Suitability - Burial: Yes

Sunlight Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 2.9 dB/km

Maximum Attenuation @ 1300nm: 0.9 dB/km

Point Loss @ 850nm & 1300nm: 0.2

Minimum Bandwidth @ 850nm: 3500 MHz*km

Minimum Bandwidth @ 1300nm: 500 MHz*km

Refractive Index @ 850nm: 1.496

Refractive Index @ 1300nm: 1.491

Numerical Aperature: .20

Maximum Gigabit Ethernet Length @ 850nm: 900 meters

Maximum Gigabit Ethernet Length @ 1300nm: 550 meters

Fiber Coding MLT EMEA:

Fiber/Tube No.	Color
1	Blue
2	Orange
3	Green
4	Brown
5	Slate
6	White
7	Red
8	Black
9	Yellow
10	Violet
11	Rose
12	Aqua

Close

Revision Number: 0 Revision Date: 02-19-2015

© 2016 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 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.