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## I6W2455



### Fiber - TrayOptic®

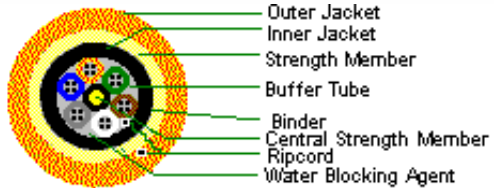
FiberExpress Tray Optic Cable, 24-Fiber, OS2 OFNR, Loose Tube, Indoor & Outdoor Rated with UV Resistant Yellow PVC Jacket, Industrial Grade, Water-blocked

**For more Information  
Please call**

**1-800-Belden1**



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### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
I6W2455	1 FT	0.000	YELLOW		REPLACED BY FDST024RF

### 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

<b>Fiber Type:</b>	62.5/125/250 Micron
<b>Number of Fibers:</b>	24
<b>Mode Field Diameter @ 1310nm:</b>	9.2
<b>Clad Diameter:</b>	125 +/- 2
<b>Clad Non-Circularity:</b>	1% Maximum
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245 +/- 10

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Gray
White

<b>Buffer Tube Diameter:</b>	1.9
<b>Buffer Tube Material:</b>	Flame Retardant Thermoplastic
<b>Buffer Tube Filling Material:</b>	Synthetic Thixotropic Gel

**Buffer Tube Color Code Chart:**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

<b>Core-clad Offset:</b>	1.5 microns Maximum
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## Inner Jacket

## Outer Jacket

### Outer Jacket Material:

#### Outer Jacket Material

PVC - Polyvinyl Chloride

### Outer Jacket Color:

Yellow

## Overall Cable

### Overall Cabling Fillers:

PVC

### Overall Nominal Diameter:

0.430 in.

## Mechanical Characteristics (Overall)

Storage Temperature Range:	-40°C To +80°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

<b>C(UL) Flame Test:</b>	FT4
<b>IEEE Flame Test:</b>	1202, IEEE 383 Vertical Tray Flame Test (70,000 BTU)

## Plenum/Non-Plenum

<b>Plenum (Y/N):</b>	No
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## Optical Characteristics (Overall)

<b>Maximum Attenuation @ 1310nm:</b>	.35 dB/km
<b>Maximum Attenuation @ 1550nm:</b>	.25 dB/km
<b>Point Loss @ 850nm &amp; 1300nm:</b>	0.2
<b>Refractive Index @ 850nm:</b>	1.4676
<b>Refractive Index @ 1300nm:</b>	1.4882
<b>Maximum Gigabit Ethernet Length @ 1300nm:</b>	5 meters

Close

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