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please call

1-800-Belden1



**General Description:**

FiberExpress Tray Optic Cable, 24-Fiber, OM1 OFNR, Loose Tube, Indoor & Outdoor Rated with UV Resistant Orange PVC Jacket, Industrial Grade, Water-blocked with Gigabit Ethernet Grade fiber.

**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:** 62.5/125/250 Micron

**Number of Fibers:** 24

**Core Diameter:** 62.5 +/- 2.5

**Core Non-Circularity:** 5&#37; Maximum

**Clad Diameter:** 125 +/- 2

**Clad Non-Circularity:** 1&#37; 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
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1	Blue
2	Orange
3	Green
4	Brown

Core-clad Offset: 1.5 microns Maximum

**Inner Jacket**

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Color: Orange

**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**

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
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**Optical Characteristics (Overall)**

Maximum Attenuation @ 850nm:	3.5 dB/km
Maximum Attenuation @ 1300nm:	1.2 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
Refractive Index @ 1300nm:	1.491
Numerical Aperature:	.275
Maximum Gigabit Ethernet Length @ 850nm:	300 meters
Maximum Gigabit Ethernet Length @ 1300nm:	550 meters

**Related Documents:**

[Loose Tube Trayoptic Cable.pdf](#) - Loose Tube Trayoptic Cable

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
I602455	1 FT	0.102 LB	ORANGE		T-OPT 24F OM1 OFNR LT

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