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I602455



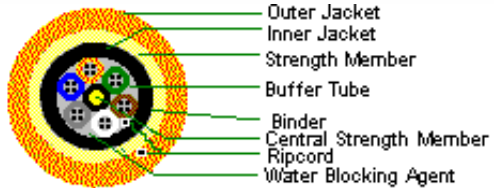
Fiber - TrayOptic®

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. **For more Information Please call**

1-800-Belden1



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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

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% 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
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

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

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