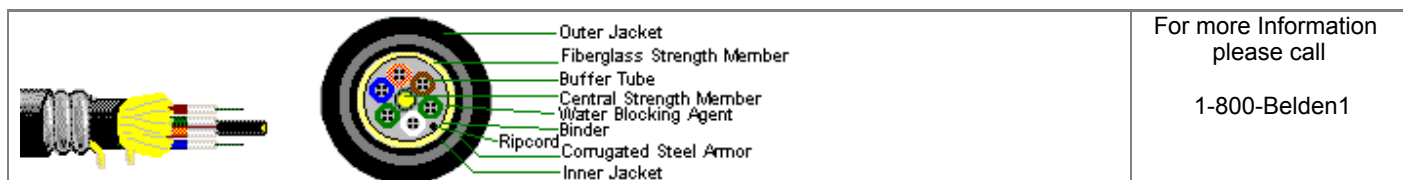


ENGLISH MEASUREMENT VERSION

**A6024FM Fiber - Armored - Double Jacket****Description**

The BelOptix® Public Network Fiber Series addresses the converging technologies of CATV, Broadband and Telephony providing cable solutions for longhaul, local exchange and MAN/WAN applications.

**Physical Characteristics (Overall):**

Fiber Type	Single Mode 125/245 Micron, Non-Dispersion Shifted
Number of Fibers	24
Core Diameter	8.3
Mode Field Diameter @ 1310nm	9.2 +/- 0.4
Mode Field Diameter @1550nm	10.5 +/- 1.0
Clad Diameter	125 +/- 1
Clad Non-Circularity	< 1.0 µm
Core-clad Concentricity Error	< 0.8 µm
Primary Coating Material	Acrylate
Primary Coating Diameter	245 +/- 10

**Fiber Color Code Chart**

Color
Blue
Orange
Green
Brown
Gray
White

Buffer Tube Diameter	2.5
Buffer Tube Material	PBT - Polybutylene Terephthalate
Buffer Tube Filling Material	Synthetic Thixotropic Gel

**Buffer Tube Color Code Chart**

Number	Color
1	Blue
2	Orange
3	Green
4	Brown

**Inner Jacket:**

Inner Jacket Ripcord	Polyester
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**Outer Jacket:**

Outer Jacket Material	HDPE - High Density Polyethylene
Outer Jacket Nominal Wall Thickness	.055
Outer Jacket Ripcord	Aramid
Outer Jacket Color	Black

**Strength Member:**

Strength Member Material	Fiberglass Epoxy Rod, Fiberglass Yarn
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**Armor:**

Armor Type	Corrugated
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## ENGLISH MEASUREMENT VERSION

**A6024FM Fiber - Armored - Double Jacket**

Armor Material	Steel
Armor Thickness	.006

**Overall Cabling:**

Overall Cabling Fillers	Foam Polypropylene
Overall Nominal Diameter:	0.571 in.

**Mechanical Characteristics (Overall):**

Operating Temperature Range	-40°C To +75°C
Storage Temperature Range	-40°C To +75°C
Bulk Cable Weight:	125 lbs/1000 ft.
Min. Bend Radius (Install):	11.500 in.
Min. Bend Radius for Long Term Application:	5.750 in.
Crush Resistance	Passes TIA/EIA 455-41
Impact Resistance	Passes TIA/EIA 455-25
Solar Radiation Resistance	High
Water Penetration	Passes TIA/EIA 455-82
Compound Flow	Passes TIA/EIA 455-81
Cyclic Flexing	Passes TIA/EIA 455-105
Twist Bend	Passes TIA/EIA 455-85
Max. Load for Installation:	600 lbs.
Max. Load for Long Term Application:	135 lbs.
Proof Test:	100 kpsi

**Applicable Specifications and Agency Compliance (Overall):****Applicable Standards:**

Other Specification	RUS PE-90 Listed
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**Suitability:**

Suitability - Outdoor	Excellent
Suitability - Aerial	Fair
Suitability - Burial	Excellent
Sunlight Resistance	High

**Plenum/Non-Plenum:**

Plenum (Y/N)	N
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**Optical Characteristics (Overall):**

Maximum Attenuation @ 1310nm	0.35
Maximum Attenuation @ 1550nm	0.25
Point Loss @ 1310 & 1550nm	0.1
Dispersion @ 1310nm	< 3.5
Dispersion @ 1550 nm	
Dispersion Slope	0.092
Zero Dispersion Wavelength	1300 - 1322
PMD	

<b>PMD (ps/nm-km )</b>
< 0.5

Cutoff Wavelength	< 1260
Refractive Index @ 1310nm	1.466
Refractive Index @ 1550nm	1.467

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