



### Opti-Core® Gel-Free Fiber Optic Outside Plant All-Dielectric Cable

- Allows installation using loose tube cable methods for aerial and duct applications
- Gel-free design with water swellable tape provides dry water blocking
- All-dielectric construction provides a non-metallic design that eliminates the need to bond or ground for aerial or duct applications, allowing easy access to cable for lower installation costs
- UV resistant cable sheathing protects the cable and meets or exceeds the performance requirements of Telcordia GR-20, Issue 2 and ICEA 640 to withstand harsh outdoor environmental demands
- Tested in accordance with relevant EIA-455 series FOTPs for fiber optic cables
- Complies with RUS 7 CFR 1755.900 requirements for fiber optic service entrance cables
- Available in 6, 12, 24, 36, 48, 72, 96 and 144-fiber counts as a “stranded loose tube” design
- Medium density polyethylene jacket provides low friction installation
- Multimode (OM4, OM3, OM2, and OM1) and singlemode (OS1/OS2) fiber available
- Sheath markings provide positive identification, quality traceability, and length verification
- 250µm buffer coating protects fibers during handling and allows for ease of stripping
- Opti-Core® 10Gig™ Fiber Optic Cable is designed to support network transmission speeds up to 10 Gb/s for link lengths up to 300 meters for OM3 and up to 550 meters for OM4 with an 850nm source per IEEE 802.3ae 10 GbE standard; backward compatible for use with all 50/125µm system requirements



Part Number	Part Description	Fiber Count*	Color
-------------	------------------	--------------	-------

#### Opti-Core® Gel-Free Outside Plant All-Dielectric Cable – Multimode

<b>FOTNZ06</b>	6-fiber 10Gig™ 50/125µm (OM4) multimode outside plant stranded cable.	6	Black
<b>FOTNZ12</b>	12-fiber 10Gig™ 50/125µm (OM4) multimode outside plant stranded cable.	12	Black
<b>FOTNZ24</b>	24-fiber 10Gig™ 50/125µm (OM4) multimode outside plant stranded cable.	24	Black
<b>FOTNZ36</b>	36-fiber 10Gig™ 50/125µm (OM4) multimode outside plant stranded cable.	36	Black
<b>FOTNX06</b>	6-fiber 10Gig™ 50/125µm (OM3) multimode outside plant stranded cable.	6	Black
<b>FOTNX12</b>	12-fiber 10Gig™ 50/125µm (OM3) multimode outside plant stranded cable.	12	Black
<b>FOTNX24</b>	24-fiber 10Gig™ 50/125µm (OM3) multimode outside plant stranded cable.	24	Black
<b>FOTNX36</b>	36-fiber 10Gig™ 50/125µm (OM3) multimode outside plant stranded cable.	36	Black
<b>FSTN506</b>	6-fiber 50/125µm (OM2) multimode outside plant stranded cable.	6	Black
<b>FSTN512</b>	12-fiber 50/125µm (OM2) multimode outside plant stranded cable.	12	Black
<b>FSTN524</b>	24-fiber 50/125µm (OM2) multimode outside plant stranded cable.	24	Black
<b>FSTN536</b>	36-fiber 50/125µm (OM2) multimode outside plant stranded cable.	36	Black
<b>FSTN606</b>	6-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	6	Black
<b>FSTN612</b>	12-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	12	Black
<b>FSTN624</b>	24-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	24	Black
<b>FSTN636</b>	36-fiber 62.5/125µm (OM1) multimode outside plant stranded cable.	36	Black

#### Opti-Core® Gel-Free Outside Plant All-Dielectric Cable – Singlemode

<b>FSTN906</b>	6-fiber 9/125µm (OS1/OS2) singlemode outside plant stranded cable.	6	Black
<b>FSTN912</b>	12-fiber 9/125µm (OS1/OS2) singlemode outside plant stranded cable.	12	Black
<b>FSTN924</b>	24-fiber 9/125µm (OS1/OS2) singlemode outside plant stranded cable.	24	Black
<b>FSTN936</b>	36-fiber 9/125µm (OS1/OS2) singlemode outside plant stranded cable.	36	Black

\*For fiber counts greater than 36-fibers, replace 36 in part number with desired fiber count: 48, 72, 96, or 1A (for 144-fibers).

Contact Customer Service for minimum order quantities, availability, and additional product configurations. Options include fiber counts, jacket colors, hybrid constructions (multiple fiber types within a single cable), flame ratings, subunit counts, armoring, premium optical performance grades and ribbonized constructions.

### Labels for Opti-Core® Gel-Free Fiber Optic Outside Plant All-Dielectric Cable



Suggested Label Solutions for TIA/EIA-606-A Compliance				
Fiber Count	Laser/Ink Jet Desktop Printer Label	TDP43ME Thermal Transfer Desktop Printer Label	PanTher™ LS8E Hand-Held Printer Label	Cougar™ LS9 Hand-Held Printer Label
6 12 24 36 48	S100X225YAJ	S100X225VATY	S100X225VAC	T100X000CBC-BK
72 96 144	S100X400YAJ	S100X400VATY	S100X400VAC	T100X000CBC-BK

For complete labeling solutions and product information, reference charts on pages O.1 – O.18 of SA-NCCB51.

A.  
System  
Overview

B.  
Copper  
Systems

C.  
Fiber  
Optic  
Systems

D.  
Power  
over  
Ethernet

E.  
Zone  
Cabling

F.  
Wireless

G.  
Outlets

H.  
Media  
Distribution

I.  
Physical  
Infrastructure  
Management

J.  
Overhead &  
Underfloor  
Routing

K.  
Surface  
Raceway

L.  
Cabinets,  
Racks &  
Cable  
Management

M.  
Grounding &  
Bonding

N.  
Industrial

O.  
Labeling &  
Identification

P.  
Cable  
Management  
Accessories

Q.  
Index