

FIBER OPTIC SOLUTIONS

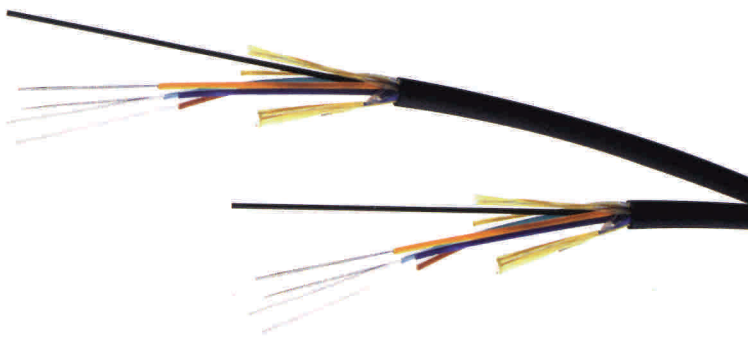
Loose Tube,
Polyethylene
Jacketed

Features:

- Single-mode as well as 50, 62.5 and 100 µm multimode versions
- Gel-filled buffer tubes
- All-dielectric construction (non-armored)
- Available in hybrid constructions (single-mode and multimode)
- Excellent crush and impact resistance
- High pulling force
- Easy to install
- UV resistant outer sheath
- All cables tested to EIA/TIA FOTP standards
- Available with rodent-resistant armoring

Benefits:

- Proven design
- Ideal for outdoor environments (wide operating temperature range)
- Excellent reliability (both above and below ground)
- Low attenuation for optimum signal reliability



Mechanical & Environmental Characteristics

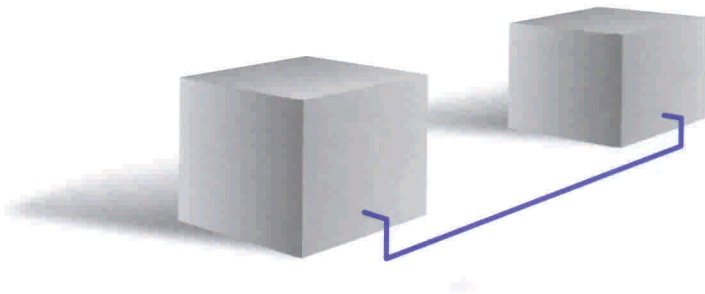
	Duct	Armored
Crush Resistance (EIA-FOTP-41A):	900 N/cm	900 N/cm
Impact Resistance (EIA-FOTP-25B):	100 impacts	100 impacts
Flexing (EIA-FOTP-104A):	1000 cycles	100 cycles
Maximum Pulling Load (EIA-FOTP-33A):	2700 Newtons/604 lbs.*	2700 Newtons/604 lbs.*
Maximum Safe Operating Load:	1000 Newtons/224 lbs.*	1000 Newtons/224 lbs.*
Minimum Bend Radius:		
At Max. Load:	20 x cable O.D.*	20 x cable O.D.*
Unloaded:	10 x cable O.D.*	10 x cable O.D.*
Fiber Proof Test:	100 KPSI	100 KPSI
Operating Temperature:	-40°C to +70°C	-40°C to +70°C
Storage Temperature (non-flexing):	-40°C to +70°C	-40°C to +70°C
Installation Temperature:	-20°C to +70°C	-20°C to +70°C

*6- to 72-Fiber

Optical Specifications

Fiber Type	Max. Atten. (dB/km)	Typical Atten. (dB/km)	Guaranteed Min. Bandwidth	Core Dia. (Microns)	Clad Dia. (Microns)	Numerical Aperture
50/125 Multimode	3.5/1.5*	2.6/0.6*	500/500*	50 ± 3	125 ± 2	0.200 ± 0.015
62.5/125 FDDI Multimode	3.5/1.5*	2.7/0.75*	160/500*	62.5 ± 3	125 ± 2	0.275 ± 0.015
62.5/125 Gigabit Multimode	3.5/1.5*	2.7/0.75*	200/500*	62.5 ± 3	125 ± 2	0.275 ± 0.015
100/140 Multimode	6.0/3.0*	4.5/2.0*	100/100*	100 ± 3	140 ± 4	0.290 ± 0.020
Single-mode (SMF-28)	0.5/0.5**	0.35/0.35**	Mode Field Diameter	9.3 ± 0.5 @1310nm	125 ± 2.0	0.13

* Attenuation and Bandwidth values for Multimode: 850nm/1300nm
** Attenuation and Bandwidth values for Single-mode: 1310nm/1550nm

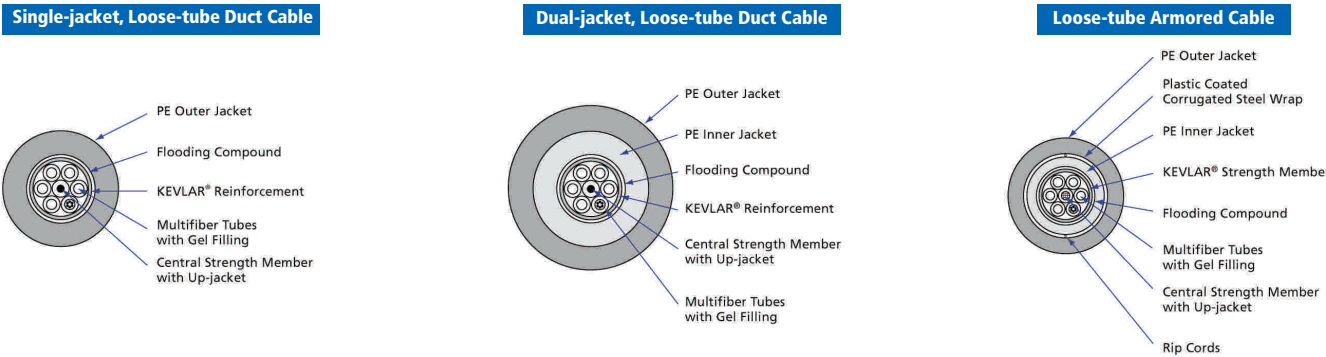


Cable and Jacket Specifications and Ordering Information

Part Number	Cable Type	No. of Fibers	UL Type	Cable Diameter (in) (mm)		Cable Weight (Nom. lbs./km)	Jacket Type
N004LTSDUCXXX	Duct (Single Jacket)	4	NR- outdoor use†	0.45	11.4	204	Polyethylene
N006LTSDUCXXX	Duct (Single Jacket)	6	NR- outdoor use	0.45	11.4	204	Polyethylene
N008LTSDUCXXX	Duct (Single Jacket)	8	NR- outdoor use	0.45	11.4	204	Polyethylene
N012LTSDUCXXX	Duct (Single Jacket)	12	NR- outdoor use	0.51	13.0	204	Polyethylene
N018LTSDUCXXX	Duct (Single Jacket)	18	NR- outdoor use	0.51	13.0	374	Polyethylene
N024LTSDUCXXX	Duct (Single Jacket)	24	NR- outdoor use	0.51	13.0	374	Polyethylene
N030LTSDUCXXX	Duct (Single Jacket)	30	NR- outdoor use	0.51	13.0	374	Polyethylene
N036LTSDUCXXX	Duct (Single Jacket)	36	NR- outdoor use	0.60	15.2	425	Polyethylene
N048LTSDUCXXX	Duct (Single Jacket)	48	NR- outdoor use	0.62	15.7	482	Polyethylene
N072LTSDUCXXX	Duct (Single Jacket)	72	NR- outdoor use	0.76	19.3	657	Polyethylene
N004LTDDUCXXX	Duct (Dual Jacket)	4	NR- outdoor use	0.50	12.7	375	Polyethylene
N006LTDDUCXXX	Duct (Dual Jacket)	6	NR- outdoor use	0.50	12.7	375	Polyethylene
N008LTDDUCXXX	Duct (Dual Jacket)	8	NR- outdoor use	0.50	12.7	375	Polyethylene
N012LTDDUCXXX	Duct (Dual Jacket)	12	NR- outdoor use	0.50	12.7	375	Polyethylene
N018LTDDUCXXX	Duct (Dual Jacket)	18	NR- outdoor use	0.50	12.7	450	Polyethylene
N024LTDDUCXXX	Duct (Dual Jacket)	24	NR- outdoor use	0.50	12.7	450	Polyethylene
N030LTDDUCXXX	Duct (Dual Jacket)	30	NR- outdoor use	0.50	12.7	450	Polyethylene
N036LTDDUCXXX	Duct (Dual Jacket)	36	NR- outdoor use	0.62	15.7	590	Polyethylene
N048LTDDUCXXX	Duct (Dual Jacket)	48	NR- outdoor use	0.71	18.0	720	Polyethylene
N072LTDDUCXXX	Duct (Dual Jacket)	72	NR- outdoor use	0.854	21.7	886	Polyethylene
N004LTDARMXXX	Armored Dual Jacket	4	NR- outdoor use	0.67	17.0	490	Polyethylene
N006LTDARMXXX	Armored Dual Jacket	6	NR- outdoor use	0.67	17.0	490	Polyethylene
N008LTDARMXXX	Armored Dual Jacket	8	NR- outdoor use	0.67	17.0	490	Polyethylene
N012LTDARMXXX	Armored Dual Jacket	12	NR- outdoor use	0.67	17.0	490	Polyethylene
N018LTDARMXXX	Armored Dual Jacket	18	NR- outdoor use	0.67	17.0	490	Polyethylene
N024LTDARMXXX	Armored Dual Jacket	24	NR- outdoor use	0.67	17.0	490	Polyethylene
N030LTDARMXXX	Armored Dual Jacket	30	NR- outdoor use	0.67	17.0	490	Polyethylene
N036LTDARMXXX	Armored Dual Jacket	36	NR- outdoor use	0.79	20.0	730	Polyethylene
N048LTDARMXXX	Armored Dual Jacket	48	NR- outdoor use	0.89	22.6	870	Polyethylene
N072LTDARMXXX	Armored Dual Jacket	72	NR- outdoor use	0.97	24.6	1070	Polyethylene

XXX = Fiber type, substitute this symbol in part number for desired fiber type as follows:
10 = Single-mode; 50 = 50/125 G.I. Fiber; 62 = 62.5/125 G.I. FDDI Grade Fiber; 62G = 62.5/125 G.I. Gigabit Grade Fiber; LEAF = Corning LEAF™ Fiber, 100 = 100/140 Fiber.
Multimode riser and plenum cables are available in orange. Single-mode riser and plenum cables are available in yellow.
†NR = Not Rated

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