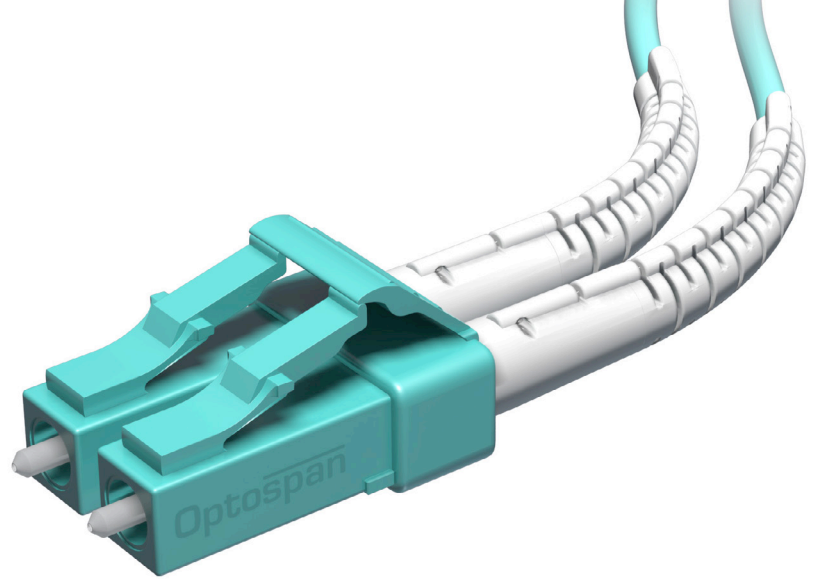


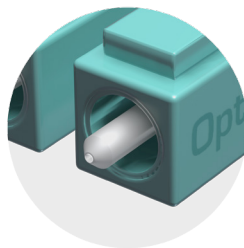
LCELITE FIBER CABLES

ULTRA LOW LOSS
5x BETTER PERFORMANCE

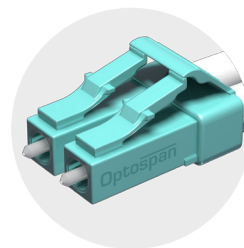


Exclusively by OptoSpan, the LCElite Ultra Low Loss fiber patch cables empower network architects to design lowest loss network with even higher bandwidth and longer spans.

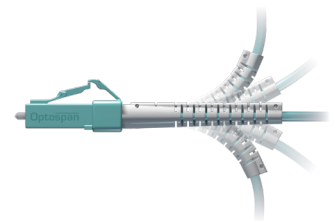
The key to higher performance is a proprietary Ultra Low-loss LC ferrule which reduces the insertion loss (IL) to less than .09dB (ordinary IL is .30dB). For increased reliability, this unique ferrule is housed in a 4x stronger ruggedized solid body LC connector. The LCElite cables are further enhanced by the new 360° flex angle boots which solve the congestion problems that naturally occur when hundreds of fibers terminate at one small patch panel and interfere with a technician's ability to manage network terminations.



Ultra Low Loss
<.09dB – Outstanding
Network Performance



Rugged Solid Body
Greater reliability



360° Flex-Angle boots
Prevents fiber congestion

TECHNICAL SPECIFICATIONS

RUGGED SOLID BODY LC CONNECTOR

	IL AGAINST MASTER (DB)		IL RANDOM MATING (DB)	
	Average IL	Maximum IL	Average IL	Maximum IL
Solid Body Low Loss SM	0.05	0.15	0.07	0.15
Solid Body Low Loss APC SM	0.07	0.15	0.09	0.20
Solid Body Low Loss MM	0.05	0.15	0.07	0.15
Operating Temperature	-40°C to +75°C			
Durability	<0.2dB typical change, 500 matings			

CLEARCURVE® OM4 FIBER

Attenuation		Macrobend Loss			
Wavelength (nm)	Maximum Value (dB/km)	Mandrel Radius (nm)	Number of turns	Induced Attenuation (db)	
				850 nm	1300 nm
850	≤ 2.3	37.5	100	≤ 0.05	≤ 0.15
1300	≤ 0.6	15	2	≤ 0.1	≤ 0.3

CORNING SMF-28E+ OS2 FIBER

Maximum Attenuation		Macrobend Loss			
Wavelength (nm)	Maximum Value* (dB/km)	Mandrel Diameter (mm)	Number of Turns	Wavelength (nm)	Induced Attenuation * (dB)
1310	0.33-0.35	50	100	1310	≤ 0.05
1550	0.19-0.20	50	100	1550	≤ 0.05
Outer Diameter	3.0mm ±0.2mm				

Note: Exceeds Verizon FOC TPR 9409 and IEC61300-3-34 Grade A random mating requirements.