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**Handling Instructions  
for  
LG-455/456  
Fiber Optics**

# **CAUTION: FRAGILE PRODUCT**

## **HANDLE WITH CARE**

### **Fiber Optic Handling Instructions**

1. Fiber optic cable is made out of glass and requires special care in handling and packaging.
2. When handling or packaging, do not exceed bend radius minimum listed on reverse side of this notice.
3. Do not pull or torque connectors or ends.
4. Do not place objects on top of fiber optic.

### **NOTE:**

**PRODUCTS RETURNED TO FIBERGUIDE SHOULD BE PACKAGED IN THE SAME MANNER AS ORIGINALLY SHIPPED. IF ADDITIONAL PRODUCT DAMAGE OCCURS AS A RESULT OF IMPROPER PACKAGING, FIBERGUIDE INDUSTRIES MAY REQUEST SHARED RESPONSIBILITY FOR PRODUCT REWORK OR REPLACEMENT.**

Recommended minimum bend radius for fused silica fibers:

Fiber Diameters in Microns	Momentary Min. Bend Radius		Long Term Min. Bend Radius	
	(Inches)	(Millimeters)	(Inches)	(Millimeters)
50	0.20	5.00	0.59	15.00
100	0.39	10.00	1.18	30.00
150	0.59	15.00	1.77	45.00
200	0.79	20.00	2.36	60.00
250	0.98	25.00	2.95	75.00
300	1.18	30.00	3.54	90.00
350	1.38	35.00	4.13	105.00
400	1.58	40.00	4.72	120.00
450	1.77	45.00	5.31	135.00
500	1.97	50.00	5.90	150.00
550	2.16	55.00	6.50	165.00
600	2.36	60.00	7.09	180.00
6.50	2.56	65.00	7.68	195.00
700	2.76	70.00	8.27	210.00
750	2.95	75.00	8.86	225.00
800	3.15	80.00	9.45	240.00
900	3.54	90.00	10.63	270.00
1000	3.94	100.00	11.81	300.00
1100	4.33	110.00	12.99	330.00
1200	4.72	120.00	14.17	360.00
1300	5.12	130.00	15.35	390.00
1400	5.51	140.00	16.54	420.00
1500	5.90	150.00	17.72	450.00
1600	6.30	160.00	18.90	480.00

Minimum bend DIAMETER is equal to the RADIUS x 2.

Momentary means minutes.