

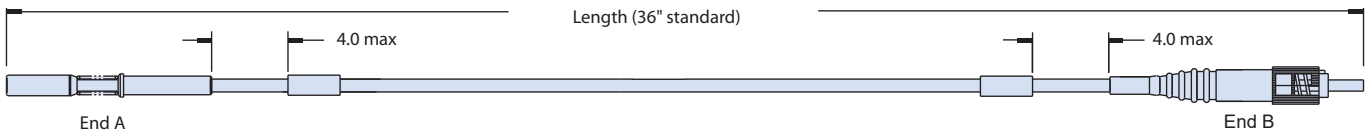
Eye-Beam™ GLT FA1000 Jumper Cable



HOW TO ORDER FACTORY-TERMINATED EYE-BEAM™ GLT JUMPERS

1. Eye-Beam™ GLT system part numbers begin with the FA1000 Basic Part Number
2. Select fiber size (Consult factory for additional options)
3. Select operating wavelength
4. Select jumper cable configuration. Jumpers are supplied standard with 36 inches of fiber cable. Specific lengths available in part number breakdown as shown below.

HOW TO ORDER	
Sample Part Number	FA1000 -50 -85 A 1 XXXX A
Basic Number	Eye-Beam Jumper Cable
Fiber Size	09 = 9.3/125 Singlemode 50 = 50/125 Multimode 62 = 62.5/125 Multimode
Operating Wavelength	85 = 850nm 13 = 1300/1310nm 15 = 1550nm
End A	See Eye-Beam™ GLT Termini table
End B	See Eye-Beam™ GLT Termini and Commercial Connectors table
Length (Inches)	Ex: -0040 = 40 inches (Omit for Standard 36 Inches)
Temperature Rating	A = -40°C to +85°C B = -55°C to +125°C C = Customer Specified* * "A" and "B" temperature rating use EPO-TEK 353ND epoxy. * "C" temperature rating as per customer specification.



NOTES

- Optical performance: Insertion loss to be less than 2.0 dB when measured at 1310 nm or 1550 nm wavelength for singlemode, or when measured at 850 nm or 1300 nm for multimode. For singlemode lens, back reflection to be 20 dB minimum at 1310 nm or 1550 nm.
- * For customer-specific requirements, Glenair will assign a unique part number for the cable assembly.

EYE-BEAM™ GLT TERMINI		
Designator	Description	Connector Series
A	M29504/04 Style Pin (181-070)	MIL-DTL-38999 Series III
	Mighty Mouse Size 16 Pin (181-070)	Series 80 Mighty Mouse
B	M29504/05 Style Socket (181-071)	MIL-DTL-38999 Series III
C	M29504/14 Style Pin (181-095)	MIL-PRF-28876
D	M29504/15 Style Socket (181-096)	MIL-PRF-28876
F	Mighty Mouse Size 16 Socket (181-083)	Series 80 Mighty Mouse
G	GFR Pin (181-082)	Glenair GFR System
H	GFR Socket (181-081)	Glenair GFR System

STANDARD TOLERANCE FOR CABLE JUMPERS	
Length	Tolerance
5 in, up to 2 ft	+1/-0 in
Over 2 ft, up to 10 ft	+3/-0 in
Over 10 ft, up to 50 ft	+6/-0 in
Over 50 ft, up to 100 ft	+1/-0 ft
Over 100 ft	+2/-0 ft

EYE-BEAM™ GLT TERMINI AND COMMERCIAL CONNECTORS		
A	M29504/04 Style Pin (181-070)	1 LC Connector
	Mighty Mouse Size 16 Pin (181-070)	2 LC APC Connector
B	M29504/05 Style Socket (181-071)	3 FC Connector
C	M29504/14 Style Pin (181-095)	4 FC APC Connector
D	M29504/15 Style Socket (181-096)	5 ST Connector
F	Mighty Mouse Size 16 Socket (181-083)	6 SC Connector
G	GFR Pin (181-082)	9 Customer Specified*
H	GFR Socket (181-081)	