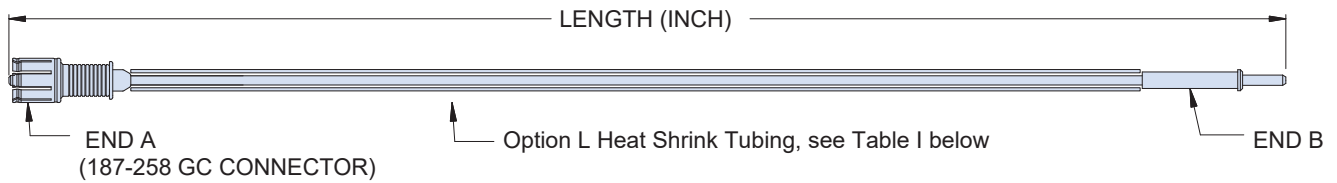


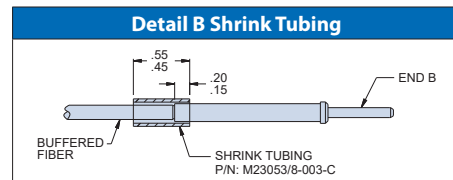
# FA02454 Fiber Optic Jumper Cable Assembly for Board-Mount Transceivers with GC Connector



How to Order FA02454	
<b>Sample Part Number</b>	FA02454 -01 -XXXX -50 L -85
<b>Series</b>	Basic Number
<b>End B Terminus Type</b>	Select from Tables (next page)
<b>Length</b>	In inches. Order in increments of .25" (eg. 0425 = 4.25"). Max 2 feet.
<b>Fiber Size (microns)</b>	-09 = SM 9.3/125    -50 = MM 50/125    -62 = MM 62.5/125 (OFS flight guide, buffer component only)
<b>Heat Shrink</b>	L = Less heat shrink    Omit for standard heat shrink
<b>Wavelength</b>	for Eye-Beam termini only    Omit for standard butt-joint termini -85 = 850nm    -13 = 1300/1310nm    -15 = 1550nm

Standard Tolerance	
Length	Tolerance
3 to 12 in	+0.25 in -0
12 in - 2 ft	+1 in -0

Table I: Option L Heat Shrink Tubing	
Fiber Type	Heat Shrink
Singlemode (9μ fiber)	M23053/5-102-4 (yellow)
Multimode (50μ fiber)	M23053/5-102-3 (orange)
Multimode (62.5μ fiber)	M23053/5-102-8 (grey)



## APPLICATION NOTES

1. Optical performance:  
 Insertion loss shall be <1.5dB for butt-joint termini,  
 @ 850 nm wavelength for MMF& 1310 nm wavelength for SMF.  
 Insertion loss shall be <2.0dB for Eye-Beam termini.  
 See P/N development for wavelength
2. Cover entire length of 900 micron buffer with heat shrink per Table I.
3. Fiber minimum bend radius = 10 mm
4. For end B option 17, ceramic sleeve to be shipped as loose part.
5. See Detail B.
6. For angle polish, add "A" to end of terminus type number. Otherwise, omit.




**FA02454**

**Fiber Optic Jumper Cable Assembly  
for Board-Mount Transceivers  
with GC Connector**

**END B TERMINUS TYPES**

**MIL-DTL-38999 Series III Type**  
Size 16 and 20 MIL-DTL-38999  
Series III Type Termini



Code	Description	App. Note
01	GA SKT Terminus, Size 16 M29504/05 Style (181-001)	2
02	GA PIN Terminus, Size 16 M29504/04 Style (181-002)	2
19	*GA Eye-Beam PIN Terminus, Size 16 M29504/04 Style (181-070)	2
20	*GA Eye-Beam SKT Terminus, Size 16 M29504/05 Style (181-071)	2
24	GA Jewel PIN Size 16 (181-052)	2
25	GA Jewel SKT Size 16 (181-053)	2
07	GA PIN Terminus, Size 20 for SuperNine Connectors (181-065)	2, 5
08	GA SKT Terminus, Size 20 for SuperNine Connectors (181-066)	2, 5


\*See Wavelength option in P/N development

**GHD (Glenair High Density)**  
Size 18 Termini for GHD  
Connectors



Code	Description	App. Note
03	GA PIN Terminus, GHD (181-047), keyed for APC	2
04	GA PIN Terminus, GHD, PC Only (181-056), No Key	2

**GFR (Glenair Front Release)**  
Size 16 Termini for GFR Connectors



Code	Description	App. Note
09	GA PIN Terminus, GFR (181-012)	2
10	GA SKT Terminus, GFR (181-011)	2
22	*GA Eye-Beam PIN, GFR (181-082)	2
23	*GA Eye-Beam SKT, GFR (181-081)	2


\*See Wavelength option in P/N development

**MIL-PRF-28876**  
Size 16 Termini for MIL-PRF-28876  
Connectors




Code	Description	App. Note
05	GA PIN Terminus, M29504/14 Style (181-039)	2
06	GA SKT Terminus, M29504/15 Style (181-040)	2

**Series 80 Mighty Mouse**  
Size 16 and 20 Termini for Series 80  
Mighty Mouse Connectors




Code	Description	App. Note
13	GA PIN Terminus, Size 20HD (181-084)	2, 5
14	GA SKT Terminus, Size 20HD (181-085)	2, 5
15	GA PIN Terminus, Size 16 (181-057)	2, 5
16	GA SKT Terminus, Size 16 (181-075)	2, 5

**ARINC 801**  
Size 16 Genderless Termini for  
ARINC 801 Connectors



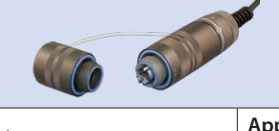
Code	Description	App. Note
11	GA PIN Terminus, ARINC 801 (181-076-N)	2

**Commercial Telecom Fiber Optic Termini**



Code	Description	App. Note
27	LC Connector	2, 6
28	FC Connector	2, 6
29	ST Connector	2
30	SC Connector	2, 6


**GFOCA Hermaphroditic**  
M29504/16 Type Genderless  
GFOCA Termini



Code	Description	App. Note
12	GA PIN Terminus w/o Ceramic Sleeve (181-050)	2
17	GA PIN Terminus w/ Ceramic Sleeve (181-050-S)	2, 4
21	*GA Eye-Beam Terminus, GFOCA (181-067)	2

\*See Wavelength option in P/N development

**Glenair GC Connector**



Code	Description	App. Note
18	GC Connector	2