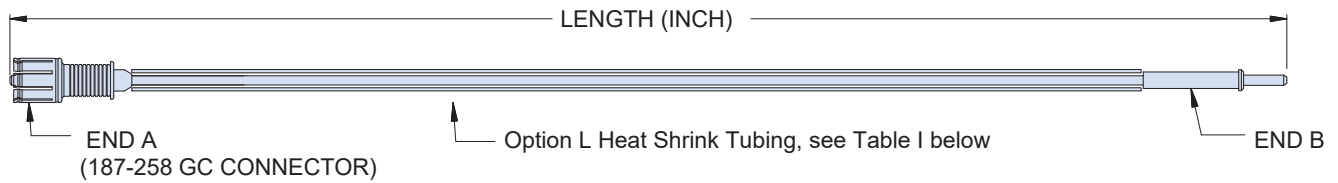


FA02454

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



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

Detail B Shrink Tubing	

APPLICATION NOTES

- 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
- Cover entire length of 900 micron buffer with heat shrink per Table I.
- Fiber minimum bend radius = 10 mm
- For end B option 17, ceramic sleeve to be shipped as loose part.
- See Detail B.
- For angle polish, add "A" to end of terminus type number.
Otherwise, omit.



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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		

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

ARINC 801 Size 16 Genderless Termini for ARINC 801 Connectors		
		
Code	Description	App. Note
11	GA PIN Terminus, ARINC 801 (181-076-N)	2

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		

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		

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

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

Glenair GC Connector		
		
Code	Description	App. Note
18	GC Connector	2