

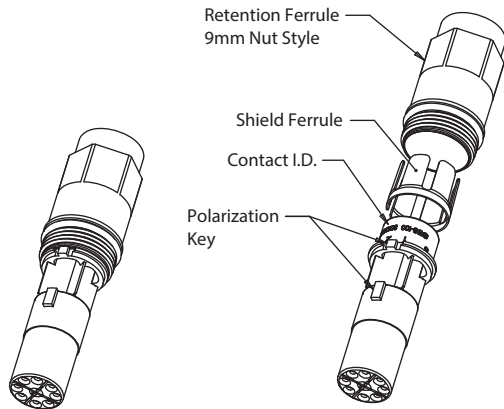


NEXT-GENERATION SpeedMaster™ 10G high-speed contacts



858-100 and 858-101, 10GBase-T Cat 6A Contacts

858-100 SPEEDMASTER SOCKET MODULE

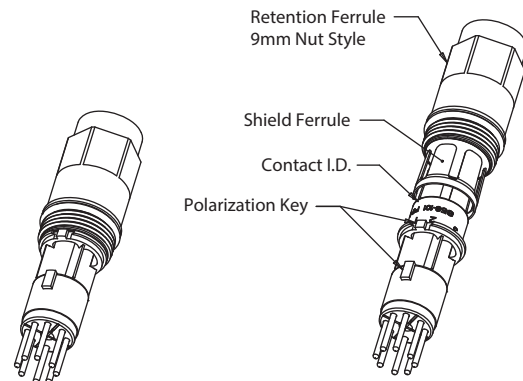


858	-100	-1
Product Code	Basic No	See Cable Size Table

Cable Size	
Cable Size	Cable Ø
1	.280 (7.11)
2	.270 (6.86)
3	.260 (6.60)
4	.250 (6.35)
5	.240 (6.10)
6	.230 (5.84)
7	.220 (5.59)

Speedmaster™ Module Inner Contact Pinout		Pin Out		
		Location	Color	
	SOCKET MODULE FACE 858-100	PIN MODULE FACE 858-101	1	Orng/Wht
			2	Orange
			3	Blu/Wht
			4	Blue
			5	Brwn/Wht
			6	Brown
			7	Grn/White
			8	Green

858-101 SPEEDMASTER PIN MODULE



858	-101	-1
Product Code	Basic No	See Cable Size Table

SPEEDMASTER MODULE MATERIAL/FINISH

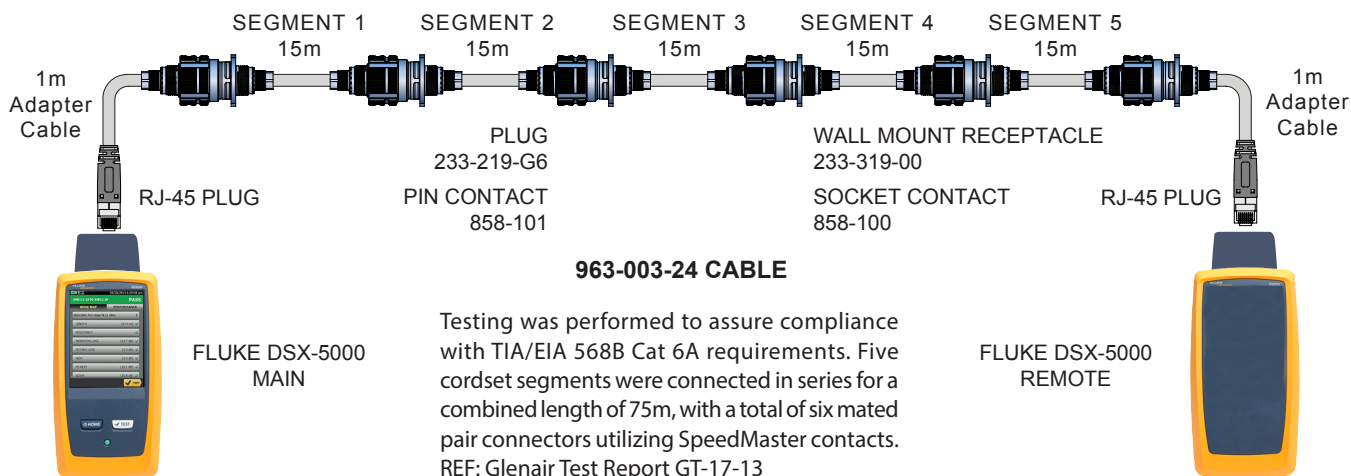
- IMPORTANT: SpeedMaster high-speed modules can only be installed in Glenair SpeedMaster series connectors.**
- High-speed module is designed to accommodate cable with wire insulation up to Ø.055 inches and cable jackets up to Ø.280 inches. See cables table for suggest list.
- For cables in-between sizes, select smaller size.
- See AI85082 for assembly instructions
- Tools Needed:
 - M39029/57-354 socket contacts:
 - Basic tool M22520/2-01 (Glenair P/N 809-015)
 - Positioner M22520/2-06 (Glenair P/N 859-019)
 - M39029/58-360 pin contacts:
 - Basic tool M22520/2-01 (Glenair P/N 809-015)
 - Positioner M22520/2-09 (Glenair P/N 859-018)
- Material/Finish
 - Isolator body - copper alloy / electroless nickel.
 - Contacts - copper alloy / gold plated
 - Retention ferrule - copper alloy / electroless nickel.
 - Inner shield ferrule: copper alloy / electroless nickel.
 - Insulators - rigid dielectric / N.A.
 - O-rings/grommets - fluorosilicone blend / N.A

Cables*					
Cable P/N	Cable Category	Cable Construction	Wire Gage	Cable Ø	Assembly Instructions
963-003-24	Cat 6A	SF/UTP	24	.280 (7.11)	AI85082
963-003-26	Cat 6A	SF/UTP	26	.220 (5.59)	
963-037	Cat 6A	SF/UTP	24	.260 (6.60)	

*Consult factory for use with other cable



NEXT-GENERATION
SpeedMaster™
10G high-speed contacts
10GBase-T Cat 6A Compliance Testing Contacts



Testing was performed to assure compliance with TIA/EIA 568B Cat 6A requirements. Five cordset segments were connected in series for a combined length of 75m, with a total of six mated pair connectors utilizing SpeedMaster contacts. REF: Glenair Test Report GT-17-13

