

Multi-Beam XL™ Cable Assemblies

CONNECTOR FEATURES

- Single-piece contact design - eliminates multiple contact interfaces
- Insulation crimp on all contacts
- Installation to panel provides float in X, Y and Z directions
- Terminal Position Assurance / Secondary Locks on contacts assure no contact back-out
- Pre-assembled, made-to-order cable assemblies
- Easy to mate / disconnect with squeeze-to-release latch

SPECIFICATIONS

- Power Contacts – 50 Amps* on single 8 AWG wire
- Signal Contacts – 3 Amps on single 22 AWG wire
- 0.050" [1.27mm] minimum float in X, Y and Z Direction**
- Sequenced Mating – 3 Levels
 - Pwr/Gnd, Pwr & Signal, Signal
- 250 Cycle Durability
- Lead-Free, Beryllium-Free materials

* Based on Preliminary Verification Test Data. End-Of-Life Qualification Tests in-process.

** Mated to Tyco Electronics Multi-Beam XL headers only

TECHNICAL DOCUMENTS

- Product Specification
- 108-2157

CONFIGURATIONS / PART NUMBERS

Power Module Widths:
 0.300" [7.62mm] (ACP)
 0.250" [6.35mm] (P)
 0.200" [5.08mm] (HDP)

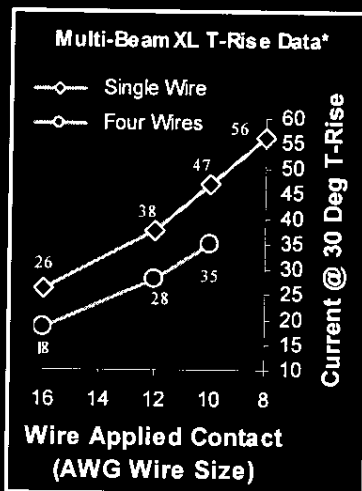


Signal Module Width
 0.200" [5.08mm] (8 Contacts)



Module Designation	Maximum Wire Size		Max. Insulation Dia.	
	AWG	(mm ²)	inches	(mm)
300 (ACP)	8	(10.5)	0.272	(6.91)
250 (P)	10	(6.6)	0.215	(5.46)
200 (HDP)	12	(2.6)	0.156	(3.96)

Module Designation	Wire Range		Insulation Range	
	AWG	(mm ²)	inches	(mm)
Signals	22 - 26	(0.14 - 0.32)	0.036 - 0.054	(0.91 - 1.37)



Configuration	PMT Series		Mating Headers		STR Series	
	Receptacle	Vertical	R/A	Receptacle	Vertical	Receptacle
2 ACP						
3 ACP	1600606-2		1450123-3	1600698-2	1450509-1	
3P				1600698-3	1450509-2	
4P				1600698-4	1450109-1	
5P	1600606-1		1450123-6			
6P				1600698-1	1450509-3	
1P/24S/1P	1600636-9	1450100-5	1450330-1	1600688-8	1450108-4	
2P/24S/2P	1600636-2	1450500-3	1-1450330-4	1600688-1	1450508-2	
3P/16S/3P	1600636-8	1450500-8				
4P/24S/2P	1600636-7		2-1450120-5			
4P/24S/4P	1600636-5	1450500-4				
4P/32S/4P				1600688-2	1450508-1	
5P/24S/5P	1600636-1	1450500-1				
6P/32S/6P				1600688-7	1450508-5	

PMT Series - Panel Mount for Hot-Swap Blind-Mate Applications
 STR Series - Squeeze-to-Release for removable Cable-to-Board / I/O Applications

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