

# 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)

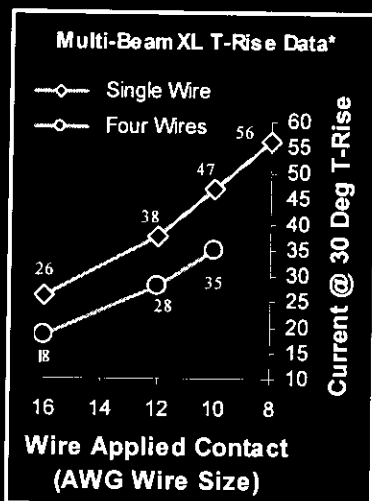


Signal Module Width  
0.200" [5.08mm] (8 Contacts)



Module Designation	Maximum Wire Size		Max. Insulation Dia.	
	AWG	(mm <sup>2</sup> )	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 <sup>2</sup> )	inches	(mm)
Signals	22 - 26	(0.14 - 0.32)	0.036 - 0.054	(0.91 - 1.37)



Configuration	PMT Series	Mating Headers		STR Series	Mating Header
	Receptacle	Vertical	R / A	Receptacle	Vertical
2 ACP				1600698-2	1450509-1
3 ACP	1600606-2		1450123-3		
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