



Amphenol Sine Systems' AT Series™ Cable Assemblies are an overmolded strain relief option for our high-performance, thermoplastic, cost-effective AT Series™ Connectors.

Available in 2, 3, 4, 6, 8 and 12 position Plugs and Receptacles with single-ended cordset standard lengths of 1, 2, 4, 5 and 10 Meters. Contact Customer Service for custom cable length options.







Our Plug assemblies feature our **StructurePlusTM AT** design, **an engineered**, **one-piece**, **solid body construction specifically designed for cable assembly operations**. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.

The process utilizes first-quality resins which encapsulate the wire terminations into the connector housing creating a highly functional & compact strain relief to ensure a long service life. Built to exceptional quality standards, the resulting barrier of protection provides IP68 rated (1M of water for 24 hrs in mated condition) sealing capability, preventing liquid ingress for a variety of markets such as Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy and Agricultural.









Standard products. Custom solutions
Customer Service +1 800 394 7732

www.amphenol-sine.com

Specifications

Temperature Range	-40°C to +100°C		
Current Rating @ 25°C Ambient	2 Pos: 15A Max 6 Pos: 10A Max 3 Pos: 14A Max 8 Pos: 10A Max 4 Pos: 12A Max 12 Pos: 8A Max		
Votlage	300V AC/DC		
Min. Mating Cycles	>100		
Sealing Protection	IP68 (1M of water for 24 hrs in mated condition)		
Housing/Overmold	PA66/Polyamide		
Seals	Silicone Rubber		
Keying Options (8 & 12 pos only)	Key A - Grey, Key B - Black, Key C - Green, Key D - Brown		

Contacts	Size 16, Nickel-plated	
RoHS Compliant	All connector materials meet the requirements of the EU Directive 2002/95/EC	
Cable Components	18AWG, SRPVC Insulated Conductors 41/34 Bare Copper	
Cable Type	TPE, Black	
Cable Approvals	AWM 21270, CSA AWM I/II A/B FT4	
Cable Resistance	Sunlight and Oil Resistant	
RoHS 3 Compliant	All cable materials meet the requirements of the EU Directive 2015/863	

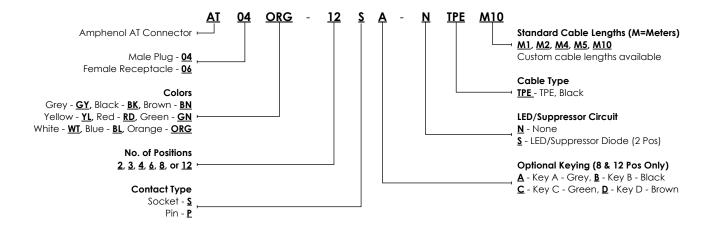
Note: All datasheets containing specifications and wiring diagrams can be found at www.amphenol-sine.com under their specific part numbers.

Key Features

- Enhanced Sealing Protection
- Relieves Stress on Conductors
- Ergonomic Grip Design
- Integrated Lanyard Holes
- Cosmetically Appealing
- Tamper-Proof
- Protective Caps Available for 2, 3, 4, 6, 8 & 12 Position Plugs



AT Series™ Cable Assembly Part Numbering Sequence





www.amphenol-sine.com

AT Series[™] Cable Assemblies

Available in M1, M2, M4, M5 and M10 lengths (M = Meters)

Image	Part Number	Description	Base Product Line
	AT04GY-2P-N-TPE-MX	2 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-2S	AT ATSeries™
	AT06GY-2S-N-TPE-MX	2 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT04-2P	SP Structure + "AT
	AT04GY-3P-N-TPE-MX	3 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-3S	AT ATSeries
	AT06GY-3S-N-TPE-MX	3 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT04-3P	SP Structure + "AT
	AT04GY-4P-N-TPE-MX	4 Pos, Molded Recep, Black TPE, Single-ended Cable Assy, AT Series™, Mates to AT06-4S	AT ATSeries™
	AT06GY-4S-N-TPE-MX	4 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT04-4P	SP Structure + "AT
	AT04GY-6P-N-TPE-MX	6 Pos, Molded Recep, Black TPE, Single-ended Cable Assy, AT Series™, Mates to AT06-6S	AT ATSeries™
	AT04GY-6S-N-TPE-MX	6 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT06-6P	SP Structure + "AT
	AT04GY-08PX-N-TPE-MX	8 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to AT06-08SA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	AT ATSeries [™]
	AT04GY-08SX-N-TPE-MX	8 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus™ AT, Mates to AT06-08PA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	SP Structure + "AT
	AT04GY-12PX-N-TPE-MX	12 Pos, Molded Recep, Black TPE Single-ended Cable Assy, AT Series™, Mates to ATO6-12SA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	AT ATSeries
	AT04GY-12SX-N-TPE-MX	12 Pos, Molded Plug, Black TPE Single-ended Cable Assy, StructurePlus TM AT, Mates to AT06-12PA Optional Keying: Keyed A-Grey, Keyed B-Black, Keyed C-Green, Keyed D-Brown	SP Structure + "AT

Related Items



Protective Thermoplastic Caps for AT, ATM and ATP SeriesTM Connectors

Available in 2-12 position (depending on Series)



Amphenol Sine Systems' **A Series™ Caps** are a low-cost alternative to using standard connectors with sealing plugs and provide an optional protective covering for harsh environmental and industrial applications. Fully sealed protective plug & receptacle caps are available for the AT, ATM and ATP Series™.

All caps are IP68 rated (1M of Water for 24 Hrs) when mated.

Potential Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments



Overmold Compatible Connectors for AT, AT LED, ATHD and ATP Series™ Connectors



Available in 1, 2, 3, 4, 6, 8 and 12 position

Amphenol Sine Systems' StructurePlusTM Family of overmold compatible connectors are an engineered, one-piece, solid body construction and are specifically designed for cable assembly operations requiring custom molding or shrink tube requirements. The added connector structure results in enhanced connection integrity that is an essential component for connecting cable in harsh environments.

Key Features

- StructurePlus™ AT-2, 3, 4, 6, 8, 12 pos, 13A; StructurePlus™ AT LED-2 pos, 13A; StructurePlus™ ATHD-1 pos, 25-60A;
 StructurePlus™ ATP-6 pos, 25A
- Engineered one-piece solid body construction, eliminates previously required snap-on-back shell
- Intermatable with industry standard connectors

Potential Applications: Heavy Duty, Transportation, Marine, Diagnostic, Military, Alternative Energy, Agricultural as well as other demanding interconnect applications

For more information, contact: Customer Service, +1 800 394 7732, csr@amphenol-sine.com

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