

# pulseOne

## MEDICAL CABLE ASSEMBLIES

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**Amphenol**  
**Alden**

*Better interconnect solutions  
for better patient care*

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# pulseOne

## MEDICAL CABLE ASSEMBLIES

Our goal is to help enable our OEM partner's products deliver better patient care. We achieve this by providing cable assemblies and connectors that are efficient, effective and reliable. For our partners this means lower costs, greater reliability and shortened development cycles due to the unmatched value and service we provide.

For the users and patients it means safe, easy to use, unobtrusive and intuitive designs. From engineering and manufacturing of the most complex over-molded cable assemblies to 'box builds' to providing world-class connectors, only Amphenol Alden integrates design, product and process engineering to deliver interconnect solutions that are as economical as they are ergonomic.

Amphenol Alden's **pulseOne** family of cable assemblies has been performance engineered to meet the challenges of medical instrumentation applications. **Amphenol Alden** connectors are typically preferred for the unmatched list of features and benefits that they bring to this demanding marketplace.

## FEATURES & BENEFITS

### ► Fully Assembled Connectors and Cable

- Performance matched cable with connector
- Tactile Mating Confirmation
- "D" Shape Friction Fit Ergonomic Design

### ► Versatile Product Offering

- Four Standard Contact Configurations up to 14 Poles
- Standard and Custom Colors
- Multiple Keying Options
- Shielded Cable /Shielded Housings for EMI/RFI Protection
- Limited-Use Version for Disposable Applications
- Customizable

### ► Environmental Resilience

- Touch Proof Contacts Protect Against Accidental Touch When Unmated
- Waterproof to IP-64 and IP67 (Panel Mount Receptacle Only)
- Flex Resistant Cable Protection
- EtO Sterilizable



## APPLICATIONS

### ► Pharmaceutical Instrumentation

- Disposable Sensor Applications ("Limited Use" Option)
- Mass Spectrometry

### ► Electrosurgical Devices

- "Limited Use Option for Disposable Applications
- Electrocardiography (ECG)

### ► Electrophysiology

- Patient Monitoring

### ► Clinical Diagnostics

- Point of Care Analyzers



# pulseOne

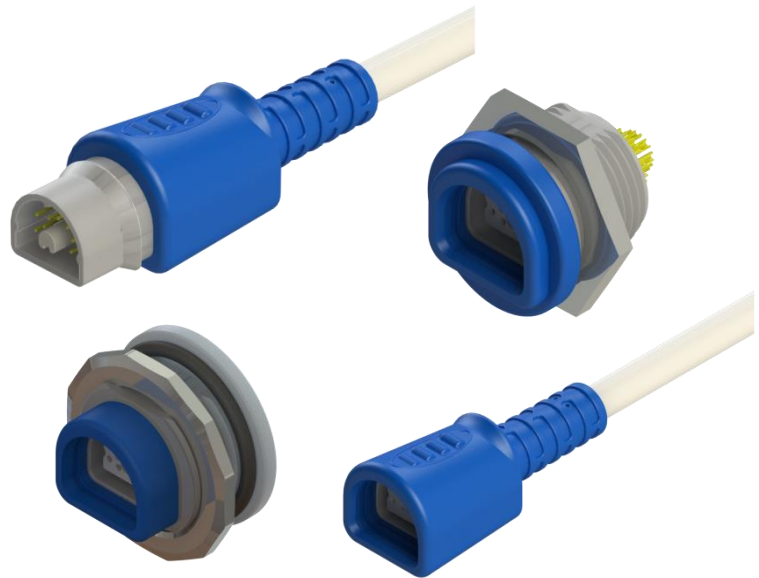


## **pulseOne P1 Cable Unshielded** **Compact & Ergonomic Design**

- Up to 4 Standard contact configurations
- Housing Options:
  - Cable Mount Plug Premolded to Lead
  - Rear & Front Panel-Mount Receptacles
  - Cable Mount Receptacle Premolded to Lead

## **pulseOne P1 Shielded Cable:** **EMI / RFI Protection**

- Shielded Cable
- Nickel-Plated Plastic Connector Housings
- Housing Options:
  - Cable Mount Plug
  - Rear & Front Panel-Mount Receptacle
  - Cable Mount Receptacle



## **pulseOne P1 Limited Use Plug Cable** **Cost Effective**

- “Gold Flash” Plug Contacts
- Reverse & Standard gender mate available
- Housing Options:
  - Disposable Cable Mount Plug
  - Rear Panel-Mount Receptacle
  - Cable Mount Receptacle



## **pulseOne P1 Sterilizable Cable** **Enhanced Performance for Medical Applications**

- Medical Grade TPE Cable and Overmold
- Autoclavable up to 5x
- Housing Options:
  - Cable Mount Plug
  - Front & Rear Panel-Mount Receptacle
  - Cable Mount Receptacle

## **THE AMPHENOL ADVANTAGE**

No other interconnect manufacturer can compete with our collaborative engineering expertise, the flexibility to quickly customize our standard product, and the power of Amphenol’s global manufacturing capabilities to serve the demands of the global market.

## HOW TO ORDER / PART NUMBER

**pulseOne** is available in a variety of standard configurations as well as an infinite number of custom possibilities. Standard contacts are arrayed in a semi-circular pattern in 4, 7, 10 and 14 poles with 3 choices for keying. Each connector is assembled and molded onto a standard cable, one meter in length. .

		Part Number: P1 P N L 04 B 1 N 1000 - YYYY													
Connector Body	Plug	P													
	Receptacle	R													
	Non-Shielded		N												
	Shielded		S												
Mating Cycles	Limited Use (< 100 mating cycles) - plug only				L										
	Multiple Use - up to 5,000 mating cycles				M										
Number of Contacts	4 pole				04										
	7 pole				07										
	10 pole				10										
	14 pole				14										
Color	Blue - standard					B									
	Gray					G									
	Custom Color - requires suffix					C									
Key 1	Key 1 standard						1								
	Key 2						2								
	Key 3						3								
	Custom Key - requires suffix						C								
Mount To	Standard Cable - no shield									N					
	Standard Cable - with shield									S					
	Custom Cable - requires suffix									C					
	Front Panel Mount (PCB tail) - no cable									E					
	Front Panel Mount (solder cup tail) - no cable									F					
	Rear Panel Mount (PCB tail) - no cable									Q					
	Rear Panel Mount (solder cup tail) - no cable									R					
Custom	Cable Length (millimeters) - 1,000 and 2,000 mm standard											XXXX			
Custom	Suffix to be assigned by Amphenol Alden														YYYY

CIRCUIT CONFIGURATIONS



4 Pole Key 1 Plug Face



7 Pole Key 1 Plug Face



10 Pole Key 1 Plug Face



14 Pole Key 1 Plug Face