



CABLES AND ACCESSORIES FOR TRUBLUE DATA LOGGERS

CONTENTS

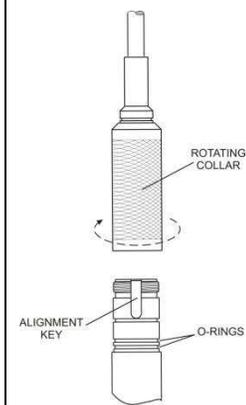
TruBlue Cable Attachment System	2
Field Cables for Vented Gage Water Level Data Loggers	
853-XXXXX, Interface Cable Assembly	3
Field Cables for Absolute Water Level Data Loggers	
852-XXXXX, Suspension Wire Assembly	4
851-XXXXX, Direct Read Interface Cable	5
Communications Cables for Water Level Data Loggers	
850-00857, USB to Backshell Communication Cable	6
850-00855, Technicians Communication Cable	7
850-00856, USB to Hirose Communication Cable	7
850-00858, Hirose to Flying Leads Communication Cable	7
TruBlue Accessories	
Backshells	
Backshell for Auxiliary Battery Pack	8
Auxiliary Battery Pack	8
Anti-Fouling Screen	8
Removable Cable Plug	9
RS-485 to SDI-12 Convertor	9
RS-485 to RS-232C Convertor	9
TruBlue Well Hardware	
2" Well Caps	10
4" Well Caps	10

TRUBLUE CABLE ATTACHMENT SYSTEM

TruBlue Data Logger water-proof cable attachment mechanism features:

- Double O-ring design for redundant water prevention.
- Threaded parts insure positive and secure attachment.
- Free-rotating knurled collar on Backshell for easy grip and simple removal.
- The connectors are keyed to insure proper mating.

This time-tested attachment mechanism provides users flexibility in matching data loggers and a variety of cable attachments while preventing moisture damage to either component.



THE TRUBLUE CABLE SYSTEM FEATURES:

- Field Cables for permanent deployment of:
 - Vented Gage Data Loggers
 - Absolute and Baro Data Loggers
- Communication Cables to set-up tests and retrieve data from TruBlue Data Loggers
- Accessories for TruBlue Data Loggers

FIELD CABLES FOR VENTED GAGE DATA LOGGERS

The **853-XXXXX INTERFACE CABLE ASSEMBLY** includes power and communication conductors as well as a reference pressure vent tube. It should be used with all vented TruBlue data loggers. It provides the ability to communicate with the transducer without extracting it from its measurement location. The Interface Cable Assembly connects with Communication Cables via quick release Hirose connector.

Each Interface Cable Assembly comes with a stainless steel cable hanger and an integrated vent filter featuring an ePTFE breather plug and long life silica gel desiccant.

Backshell connectors are available in two materials:

- 316 stainless steel for freshwater applications, and
- Titanium for saltwater and other aggressive environments

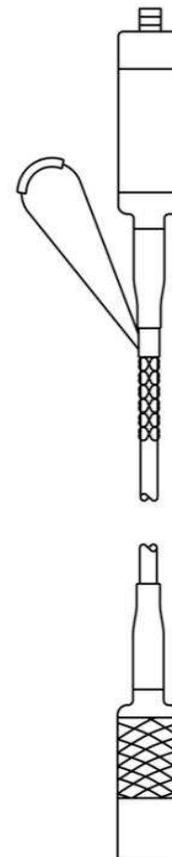
Submersible cable length is configurable in lengths of 5 Ft. Or greater. Cable is available in two materials:

- Polyurethane for freshwater applications, and ETFE for saltwater and other aggressive environments

853-XXXXX –853 INTERFACE CABLE ASSEMBLY



STAINLESS STEEL VENT FILTER WITH EPTFE BREATHER PLUG



CONFIGURABLE LENGTHS

FIELD CABLES FOR ABSOLUTE DATA LOGGERS

The **852-XXXXX SUSPENSION WIRE ASSEMBLY** is a low cost suspension solution intended for use only with absolute data loggers. Since there is no vent tube or desiccant vent filter, maintenance is minimal. On the other hand, the fact there are no communication conductors in the cable means that in order to communicate with the data logger, it will need to be removed from its measurement location and attached to a communication cable.

Each Suspension Wire Assembly comes with a Backshell, 316 FEP coated stainless steel wire and termination loop fitted with a stainless steel carabineer.

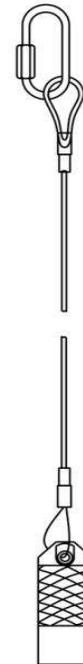
Backshell connectors are available in two materials:

- 316 stainless steel for freshwater applications, and
- Titanium for saltwater and other aggressive environments

The submersible stainless steel wire length is configurable in lengths from 0 to 999 feet.

Absolute data loggers may also be deployed with no suspension wire. In this case the hole in the Backshell may be used to secure the data logger to a sturdy support.

852-XXXXX – SUSPENSION WIRE ASSEMBLY



CONFIGURABLE LENGTHS

PART NUMBER (XXX = FT. OF CABLE)	DESCRIPTION
852-00XXX	Stainless Steel Suspension Cable – Stainless Steel Backshell
852-01XXX	Stainless Steel Suspension Cable – Titanium Backshell

FIELD CABLES FOR ABSOLUTE DATA LOGGERS

The **851-XXXX DIRECT READ INTERFACE CABLE** Is a low-cost solution intended for use only with absolute or CT data loggers. It Includes power and communications conductors to provide the ability to communicate with the data logger without extracting it from its measurement location. Since there is no vent tube or desiccant filter, maintenance is minimal.



CONFIGURABLE LENGTHS

ELECTRICAL TERMINATION		
22AWG CONDUCTORS IN A SHIELDED CABLE WITH VENT TUBE		
SDI-12	RED	+ SUPPLY
	BLACK	- SUPPLY
	WHITE	SIGNAL
RS-485	RED	+ SUPPLY
	BLACK	- SUPPLY
	WHITE	RS485-A
	GREEN	RS485-B
ALL	DRAIN WIRE	SHIELD

PART NUMBER	DESCRIPTION
851-00XXX	Direct Read Interface Cable– Stainless Steel Backshell and Poly Cable
851-01XXX	Direct Read Interface Cable – Titanium Backshell and ETFE Cable
851-02XXX	Direct Read Interface Cable – Titanium Backshell and Poly Cable

Note: (XXX) = Cable length in Feet

COMMUNICATION CABLES FOR NON-VENTED DATA LOGGERS

A variety of communication cable options can be used to communicate to TruBlue data loggers from your PC.

The **850-00857 - USB TO BACKSHELL COMMUNICATION CABLE** is universal to vented gage and absolute level data loggers. This non-submersible communication cable can be used to set-up tests and to retrieve test data from the level data logger. The cable is intended to be used temporarily and is not intended for permanent attachment.

850-00857 – USB TO BACKSHELL COMMUNICATION CABLE

Standard Cable Length (6 Ft)



STANDARD CABLE LENGTH
(6 FT)

NON-THREADED, BACKSHELL CONNECTOR SLIDES ON AND OFF OPEN END OF LEVEL DATA LOGGER.



THIS CONNECTION IS NOT WATER TIGHT. IT IS NOT DESIGNED FOR WATER IMMERSION.



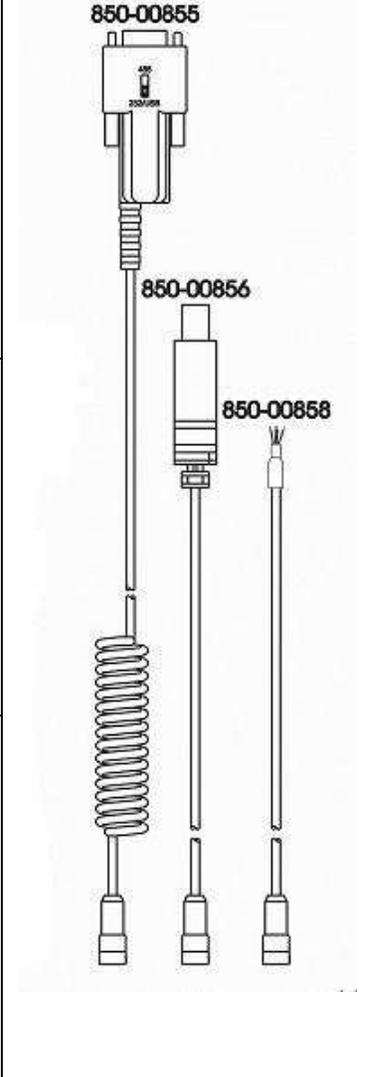
COMMUNICATION CABLES FOR VENTED GAGE LEVEL DATA LOGGERS

There are several choices for communication cables connecting to the Hirose connector on the **853-XXXXX Interface Cable Assembly**.

THE 850-00855 TECHNICIANS COMMUNICATION CABLE is an all-in-one adapter enabling connection to a mobile, laptop or desktop PC. It features built-in conversion to RS-232 and USB as well as a DC input connector.

THE 850-00856 USB TO HIROSE COMMUNICATION CABLE enables connection directly to your PC USB port.

THE 850-00858 HIROSE TO FLYING LEADS COMMUNICATION CABLE enables connection directly to terminals requiring flying leads cable.

	<p>850-00855 TECHNICIANS COMMUNICATION CABLE</p> <p>STANDARD CABLE LENGTH (6 FT.)</p>	
	<p>850-00856 USB TO HIROSE COMMUNICATION CABLE</p> <p>STANDARD CABLE LENGTH (6 FT.)</p>	
	<p>850-00858 HIROSE TO FLYING LEADS COMMUNICATION CABLE</p> <p>STANDARD CABLE LENGTH (6 FT.)</p>	

SPARE REPLACABLE NOSE CAP

<p>Removable Ported Nose Cap made of Delrin, designed to protect the sensor diaphragm while still allowing access for cleaning.</p> <p>PN 42-01-66350</p>	
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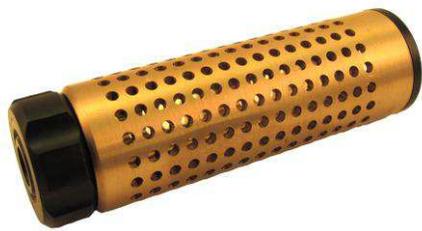
TRUBLUE BACKSHELLS

<p>Backshell only, no suspension wire.</p> <ul style="list-style-type: none"> • PN 852-00000, 316 Stainless Steel • PN 852-01000, Titanium 	
<p>Backshell only, for Auxiliary Battery Pack</p> <ul style="list-style-type: none"> • PN 852-00005, 316 Stainless Steel • PN 852-01005, Titanium 	

AUXILIARY BATTERY PACK

<p>PN 850-00805, Auxiliary Battery Pack</p> <ul style="list-style-type: none"> • 7.2V Lithium Battery 	
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TRUBLUE ANTI-FOULING SCREEN

<p>The TruBlue Anti-Fouling Screen PN 860-00825 provides extended protection to the sensor in combat of Marine Biofouling Organisms. The use of this screen allows for extended deployments and helps minimize maintenance requirements.</p>	
	<ul style="list-style-type: none"> • PN 860-00825 • 90/10 Copper-Nickel Alloy • Easy Screw-On Design • Extend Deployments and Reduce Maintenance Cost • 1.0 in. OD X 3.25 in. L • 3.7 oz. / 105g

REMOVABLE CABLE PLUG

The **Removable Cable Plug** is designed to provide watertight protection to the exposed end of our removable cable, when the transducer/datalogger is removed.



- PN 850-00800 Stainless Steel
- PN 850-00801 Titanium

Signal Convertors for Digital Transducers

The **860-00100 RS-485 to SDI-12 Convertor** is used to convert an RS-485 signal into a SDI-12 protocol signal



- PN 860-00100

The **860-00300 RS-485 to RS-232C Convertor** is used to convert an RS-485 signal into a RS-232C signal



- PN 860-00300

TRUBLUE WELL HARDWARE

Locking **Well Caps** enable water level data loggers to be suspended within the well while providing security. The vented orange PVC caps are 2" or 4" ID and come with a 304 stainless steel dock (ring and threaded quick-link) to support a cable hanger. The dual-hinge locking lid uses a Buna-N/Nitril O-ring for a watertight seal. The black triangle warning label on the lid can be marked for well identification.

- PN **861-2A**, 2" vented locking well cap w/dock
- PN **861-2B**, 2" vented locking well cap
- PN **861-2C**, 2" well dock
- PN **861-4A**, 4" vented locking well cap w/dock
- PN **861-4B**, 4" vented locking well cap
- PN **861-4C**, 4" well dock



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