

Yekan S2M/RS2M/A2M Vibration Sensor Cable

Datasheet

Rev. V1.1



Description

Yekan's reliable vibration sensor cables are available with and without protective armor for use in vibration measurement systems, particularly with piezoelectric sensors. They are compatible with CTC and Bently Nevada piezoelectric acceleration and velocity sensors. The following pages provide all the information needed to order these cables.

Ordering Information

S2M Vibration Sensor Cable

S2M-AA

A: Cable Length Option

0 5	5 meters
1 0	10 meters



Specifications

Application	Connect to Accelerometer and Velocity Sensors
Connector Type	2 Socket MIL-Style 5015 (10SL-4S)
Connector Material	Molded TPU Black, Tight Sealed
Connector Locking System	Screw
Connector Termination	Solder
Connector Class of Pollution	3
Connector Degree of Protection	IP67
Connector Rated Voltage	500 VAC/VDC
Connector Rated Current	15A
Contact Resistance	$\leq 6 \text{ m}\Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega$
IEC Standard	IPC-A-620
Armor Length	without Armor
Cable Type	Twisted, inner core PVC
Wire Gauge	AWG = 22
Cable Jacket Material	Yellow Mist TPU Polyether Flame Retardant
Pin-Out (Tinned)	A (Red) = Signal (+) B (Black) = Common (-) P1 (Wire Color) = open Shell (Shield Braid)
Temperature Range	-55°C~+ 125°C

Figures

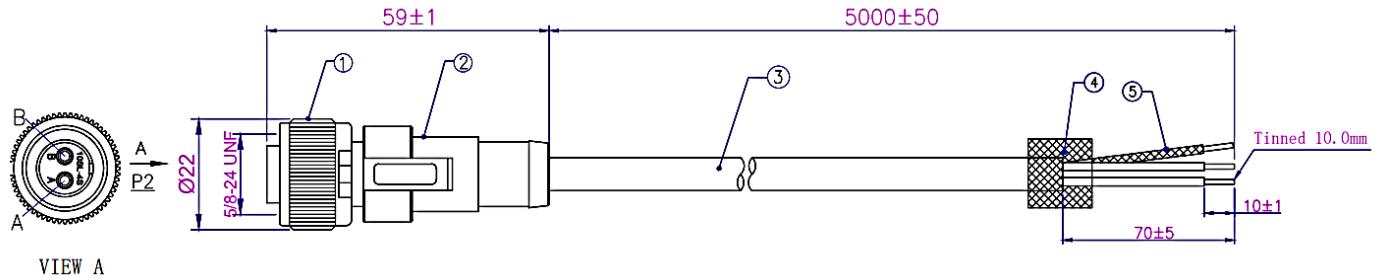


Figure 1. Yekan Vibration Sensor 5-meter Cable without armor

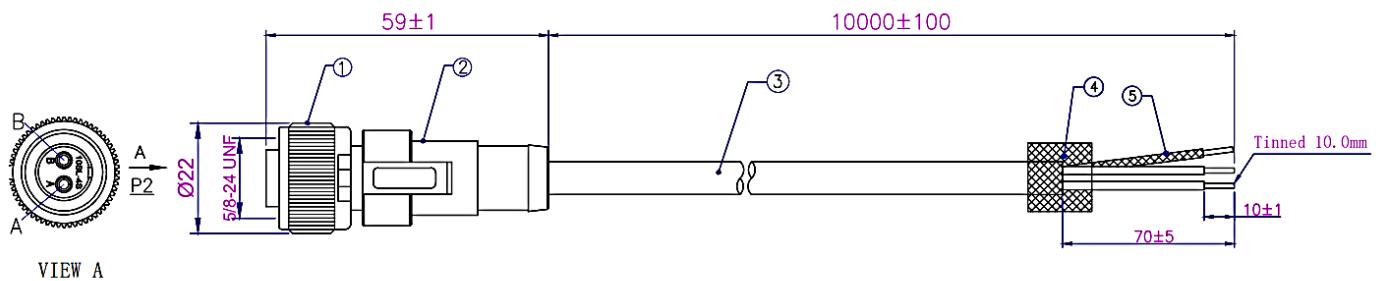


Figure 2. Yekan Vibration Sensor 10-meter Cable without armor

1. Military standard 5015 hole plug semi-finished 2-core shaped long shielding tube
2. Military standard 5015 over-molding TPU black
3. Yellow mist TPU polyether flame retardant cable with 5- or 10-meter length
4. Black heat shrinkable tube
5. Yellow heat shrinkable tube

R/S2M Vibration Sensor Cable

R/S2M-AA

A: Cable Length Option

10	10 meters
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Specifications

Application	Connect to Accelerometer and Velocity Sensors
Connector Type	Right angle 2 Socket MIL-Style 5015 (10SL-4S)
Connector Material	Molded TPU Black, Tight Sealed
Connector Locking System	Screw
Connector Termination	Solder
Connector Class of Pollution	3
Connector Degree of Protection	IP67
Connector Rated Voltage	500 VAC/VDC
Connector Rated Current	15A
Contact Resistance	$\leq 6 \text{ m}\Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega$
IEC Standard	IPC-A-620
Armor Length	without Armor
Cable Type	Twisted, inner core PVC
Wire Gauge	AWG = 22
Cable Jacket Material	Yellow Mist TPU Polyether Flame Retardant
Pin-Out (Tinned)	A (Red) = Signal (+) B (Black) = Common (-) P1 (Wire Color) = open Shell (Shield Braid)
Temperature Range	-55°C ~ +125°C

Figures

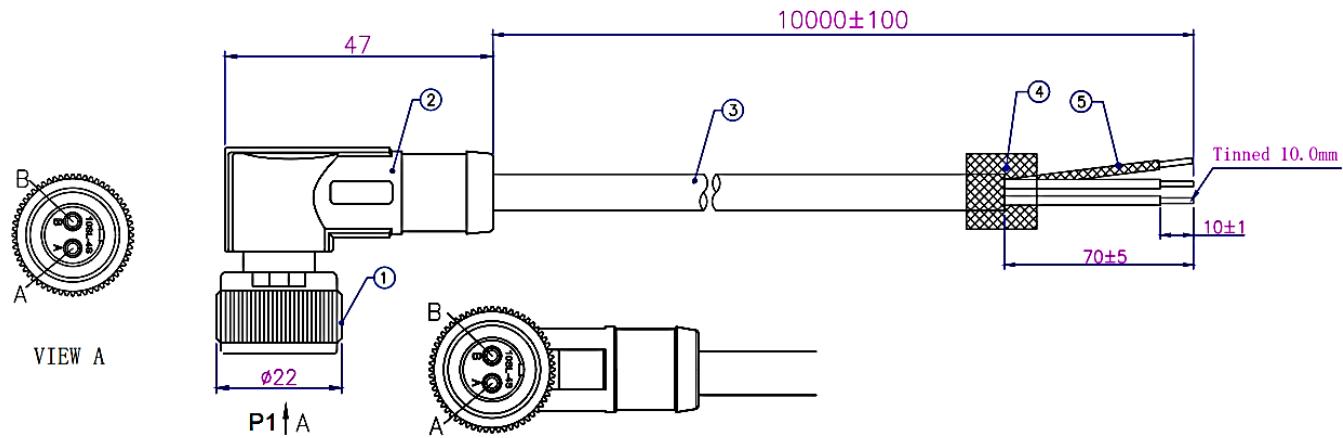


Figure 3. Yekan Vibration Sensor 10-meter Cable without armor (Right angle connector)

1. Military standard 5015 Female plug semi-finished 2-core
2. Military standard 5015 over-molding TPU black
3. Yellow mist TPU polyether flame retardant cable with 10-meter length
4. Black heat shrinkable tube
5. Yellow heat shrinkable tube

A2M Vibration Sensor Cable

A2M-AA-BB

A: Cable Length Option

1 0	10 meters
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B: Armor Length Option

0 5	5 meters
1 0	10 meters



Specifications

Application	Connect to Accelerometer and Velocity Sensors
Connector Type	2 Socket MIL-Style 5015 (10SL-4S)
Connector Material	5/8-24 assembly stainless steel connection, connecting nuts (with holes) S-125-C Rubber core: Military Standard 5015 assembly female rubber core 2-core (black, silicon 75 degrees) 10SL-4S Tight Sealed
Connector Locking System	Screw
Connector Termination	Solder
Connector Class of Pollution	3
Connector Degree of Protection	IP67
Connector Rated Voltage	500 VAC/VDC
Connector Rated Current	15A
Contact Resistance	$\leq 6 \text{ m}\Omega$
Insulation Resistance	$\geq 5000 \text{ M}\Omega$
IEC Standard	IPC-A-620
Armor Length	with Armor
Cable Type	Twisted, inner core PVC

Wire Gauge	AWG = 22
Cable Jacket Material	Yellow Mist TPU Polyether Flame Retardant
Pin-Out (Tinned)	A (Red) = Signal (+) B (Black) = Common (-) P1 (Wire Color) = open Shell (Shield Braid)
Temperature Range	-55°C~+ 125°C

Figures

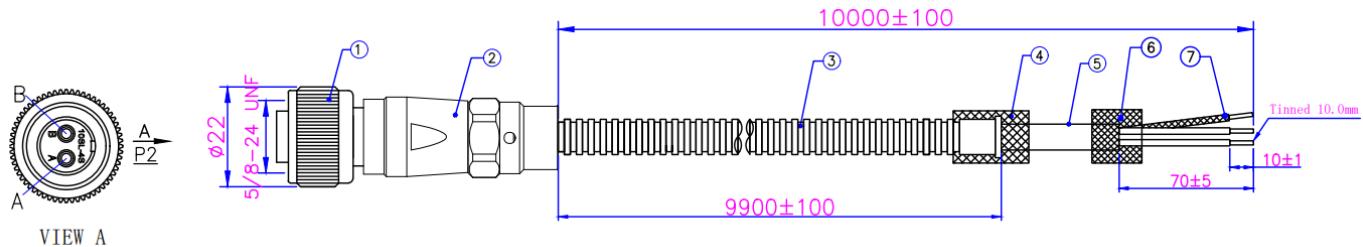


Figure 4. Yekan Vibration Sensor 10-meter Cable with 9.9-meter armor (stainless steel connector)

1. Military standard 5015 Female plug semi-finished 2-core
2. Military standard 5015 over-molding TPU black, Black wire rubber plug
3. Stainless steel bellows 9.9 meters
4. Black heat shrinkable tube with adhesive (3:1 shrink) L=40 mm
5. Yellow Mist TPU Polyether Flame retardant
6. Black heat shrinkable tube L=20 mm
7. Yellow heat shrinkable tube L=70 mm

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Yekan Tajhiz company is acting in the field of supply, consulting and engineering services associated with vibration measurement and monitoring equipment and works as the middle east representative of Bently Nevada, Metrix and CTC brands.

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