

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Selected official pages for procurement and maintenance review

PRODUCT BRAND

Bently Nevada

PRODUCT MODEL

CB2W100-125

125 ft splash-proof interconnect cable for two-wire transducers. Verify sensor sealing; CB2W100 is not recommended with 200350.

OFFICIAL SOURCE

185M2670 Rev. A - Low Frequency Velocity Transducer System

105M0340 Rev. AD - 2300 Vibration Monitors

Original 185M2670 pages 6, 7 and 14, plus 105M0340 pages 12 and 24 follow. Source pagination, complete cable-ordering context, compatibility warning and copyright remain unchanged.

This package retains relevant official datasheet pages; it is not a manufacturer-issued standalone cable manual. Other sensor and monitor ratings on the source pages do not become cable specifications.

AMIKON PRODUCT SUPPORT

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AMIKONG.COM

Amikon prepared this independent reference package. Baker Hughes authored the appended original pages.

Compliance and Certifications (LF+AIIM)

FCC

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

EMC

EN 61000-6-2

EN 61000-6-4

EMC Directive 2014/30/EU

RoHS

RoHS Directive 2011/65/EU

Ordering Information



For the detailed listing of country and product specific approvals, refer to the *Approvals Quick Reference Guide* (108M1756) available from Bently.com.

350620 LF+AIIM

350620-AA-BB

A: Mounting Option 350620

00	Panel Mount
01	DIN Rail Mount
02	No Mount

B: Agency Approval Option

00	Not Required
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Accessories

Part Number	Description
134M3057	Adapter
138493-01	DIN Mount
138492-01	Panel Mount

Interconnection Cables

The following standard cable lengths are available. You can order custom cable lengths in increments of one foot at additional cost. Some cables have a minimum and maximum length. For details, see each part description below.

Standard Cable Lengths

Feet	Meters (approximate)
6 ft	1.8 m
8 ft	2.4 m

Feet	Meters (approximate)
10 ft	3.0 m
12 ft	3.6 m
15 ft	4.5 m
17 ft	5.0 m
20 ft	6.0 m
25 ft	7.6 m
30 ft	9.0 m
33 ft	10.0 m
50 ft	15.2 m
99 ft	30.0 m

Cable Part Numbers

Part number	Description
02173034	Splash-Proof Interconnect Cable
	Recommended for high electromagnetic noise environment and European Conformance (CE).
	Shielded 0.382 mm ² (22 AWG) cable with a splash proof boot over a female connector at the transducer end and flush cut at the monitor end. Temperature range -55 to 125°C (-67 to 257°F).

† NOTE: Use 'AA' in the part numbers below to specify the length (in feet) of the cable you want to order.

Part number	Description
CB2W100-AAA†	Splash-Proof Interconnect Cable
	Shielded 0.382 mm ² (22 AWG) cable with splash proof over molded boot, blunt cut at the monitor end. Temperature range -50 to 200°C (-58 to 392°F).
9571-AA†	Standard Interconnect Cable
	Shielded 0.382 mm ² (22 AWG) cable with a moisture resistant female connector at the transducer end and ring lugs at the monitor end. Temperature range -29 to 121°C (-20 to 250°F).
84661-AA†	Standard Armored Interconnect Cable
	Stainless steel armor over shielded 0.382 mm ² (22 AWG) cable with a moisture resistant female connector at the transducer end and ring lugs at the monitor end. Temperature range -29 to 121°C (-20 to 250°F).

Standard lengths:

15 ft (4.5 m)

32 ft (9.8 m)

64 ft (19.5 m)

12 ft (34.1 m)

125 ft (38.1 m)

150 ft (45.7 m)

200 ft (61.09 m)

Minimum length 2 ft (0.60 m);
maximum length 99 ft (30 m).

Minimum length 3 ft (0.91 m);
maximum length 96 ft (29 m).

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Proximity Transducer System

Refer to the following proximity transducer system datasheets for details.

172036	3300 5mm
141194	3300 XL 8mm
146256	3300 XL 11mm
147385	3300 XL NSV

02120015	Bulk Cable from Proximity sensor to monitor (500 ft.)
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9571-AA2	Low cost cable for accelerometer
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A: From "02" to "99" Increments of 1.0 foot

INCREMENTS OF 1.0 FOOT			
EXAMPLE:	<table><tr><td>1</td><td>2</td></tr></table> = 12 FEET	1	2
1	2		
	<table><tr><td>2</td><td>5</td></tr></table> = 25 FEET	2	5
2	5		
MIN LENGTH = 2.0 FEET			
MAX LENGTH = 99 FEET			

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84661-AA2	Armored cable for 2 -wire transducer
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A: From "03" to "99" Increments of 1.0 foot

INCREMENTS OF 1.0 FOOT			
EXAMPLE:	<table><tr><td>1</td><td>2</td></tr></table> = 12 FEET	1	2
1	2		
	<table><tr><td>2</td><td>5</td></tr></table> = 25 FEET	2	5
2	5		
MIN LENGTH = 3.0 FEET			
MAX LENGTH = 99 FEET			

CB2W100-AAA	Cable for 2-wire transducer
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The CB2W100 cable is not recommended for use with the 200350 Accelerometer. The O-ring will not form a proper seal with the accelerometer.

A: Cable Length

015	15 ft. (4.8 m)
032	32 ft. (9.8 m)
064	64 ft. (19.5 m)
112	112 ft. (34.1 m)
125	125 ft. (38.1 m)
150	150 ft. (45.7 m)
200	200 ft. (61.0 m)
250	250 ft. (76.2 m)



2 Cable lengths greater than 30 meters (100 feet) will experience some attenuation of amplitudes at higher frequencies when using the AM3100T2-Z2 Accelerometer.

Splash Proof Cable for 2-wire transducer

9571 Mod : 285031-AA2

Cable for 2-wire extension with Splash Proof Connection. This cable assembly provides an equivalent IP66 level of protection.

A: Cable Lengths

16	16 ft. (4.8 m)
32	32 ft. (9.8 m)
64	64 ft. (19.5 m)

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