3300 XL 11 MM

Product Data Sheet

330710-004-054-50-02-05

Armored proximity sensing probe

CASE THREAD	UNTHREADED SECTION	CASE LENGTH SELECTION	TOTAL PROBE LEAD
M16 x 1.5	**4 mm**	**54 mm**	**5.0 m**

Bently Nevada 330710-004-054-50-02-05 is a 3300 XL 11 mm proximity probe with a M16 x 1.5 threaded case. It senses the distance to a conductive target without contact and passes its signal through the probe lead to the matched Proximitor electronics.

01 TECHNICAL DATA

Case thread	M16 x 1.5
Unthreaded section	4 mm
Case length selection	54 mm
Total probe lead	5.0 m
Lead armor	With stainless steel armor
Connector protector	No connector protector
Cable impedance	75 ohm
Cable insulation	FEP
Probe tip construction	PPS
Case metal	AISI 304 stainless steel

Bently Nevada 3300 XL 11 mm Datasheet 146256 Rev. T, applicable specification, ordering and dimensional sections.

02 ADDITIONAL PRODUCT DATA

Coaxial connector	Miniature ClickLoc
Approval selection	05: multiple approvals
Probe resistance	7.2 +/- 0.8 ohm
Maximum case torque	63.3 N m
Minimum cable bend radius	25.4 mm

03 PRODUCT FUNCTION

This configuration has a 4 mm unthreaded section, a 54 mm case-length selection and a 5.0 m total lead. The lead construction is with stainless steel armor, with a miniature ClickLoc connector and no connector protector. The 3300 XL 11 mm sensing chain uses a compatible probe, extension and Proximitor calibration rather than treating the probe as a standalone voltage transmitter.

04 SYSTEM COMPATIBILITY

The specified matched chain has a 0.5 to 4.5 mm linear operating span and a nominal 3.94 V/mm scale factor on the documented AISI 4140 steel target. Use the 2.5 mm reference gap as described by the manufacturer, allowing for the required static position or dynamic travel.

05 REFERENCE

Bently Nevada 3300 XL 11 mm Datasheet 146256 Rev. T, applicable specification, ordering and dimensional sections.

AMIKON PRODUCT SUPPORT

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