3300 XL 16 MM HTPS

Product Data Sheet

330330-070-00-00

Matched high-temperature extension cable

NOMINAL CABLE LENGTH	CABLE ARMOR	APPROVAL SELECTION	CHARACTERISTIC IMPEDANCE
7.0 m	**Without stainless steel armor**	**00: not required**	**75 ohm**

Bently Nevada 330330-070-00-00 is a 7.0 m spare extension cable for the 3300 XL 16 mm High Temperature Proximity System. The cable is matched to the installed high-temperature probe, with its capacitance forming part of the calibrated sensing chain.

01 TECHNICAL DATA

Nominal cable length	7.0 m
Cable armor	Without stainless steel armor
Approval selection	00: not required
Characteristic impedance	75 ohm
Conductor construction	Triaxial
Cable insulation	FEP
Connector material	Stainless steel
Probe-side interface	Miniature coaxial connector
Electronics-side interface	SMA connector
Center-conductor resistance	1.62 ohm

Bently Nevada 3300 XL 16 mm HTPS Datasheet 141623 Rev. H, applicable specification, ordering and dimensional sections.

02 ADDITIONAL PRODUCT DATA

Outer-conductor resistance	0.49 ohm
Capacitance per metre	69.9 pF/m typical
Minimum bend radius	25.4 mm
Maximum coupling torque	0.565 N m
Coupling method	Finger tight plus 1/8 turn

03 PRODUCT FUNCTION

The without stainless steel armor execution uses 75-ohm FEP-insulated triaxial cable, a miniature coaxial probe interface and an SMA electronics interface. The 7 m option is supplied without stainless steel armor. The matching procedure uses the probe serial number and can require trimming the replacement cable to the original capacitance.

04 SYSTEM COMPATIBILITY

Connect the miniature coaxial end and SMA end in their designated positions without interchanging the 16 mm HTPS assembly with an ordinary XL8 extension. Maintain at least a 25.4 mm bend radius, and use the documented finger-tight-plus-one-eighth-turn connector method within the 0.565 N m maximum.

05 REFERENCE

Bently Nevada 3300 XL 16 mm HTPS Datasheet 141623 Rev. H, applicable specification, ordering and dimensional sections.

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