

# Bently Nevada 330930-040-03-CN Manual

|                |                          |
|----------------|--------------------------|
| Brand          | Bently Nevada            |
| Product Series | 330730&330930            |
| Product Type   | 3300 NSv Extension Cable |

## Description

Manufacturer : Bently Nevada  
Product No. : 330930-040-03-CN  
Product type : 3300 NSv Extension Cable  
Made in U.S.A

Cable Length Option : 040 =4.0 meters (13.1 feet)  
Connector and Cable Option : 03 =Without stainless steel armor, with connector protector  
Agency Approval Option :CN=Country Specific  
Extension Cable Material : 75  $\Omega$  coaxial, fluoroethylene propylene (FEP) insulated.  
Operating and Storage Temperature: -51°C to +177°C (-60°F to +351°F)  
Shipping weight : 1.5 Kg

Make sure that the extension cable length and the probe length, when added together, equal the Proximity Sensor total length.

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Extension cable  
dc resistance  
Center conductor: 0.220  
 $\Omega$ /m (0.067  $\Omega$ /ft)  
Shield: 0.066  $\Omega$ /m (0.020  
 $\Omega$ /ft)

Extension cable  
capacitance  
69.9 pF/m (21.3 pF/ft)  
typical

Field Wiring  
0.2 to 1.5 mm<sup>2</sup> (16 to 24  
AWG)[0.25 to 0.75 mm<sup>2</sup> (18  
to 23 AWG) with ferrules].

Recommend using threeconductor shielded triad  
cable. Maximum length of  
305 meters (1,000 feet)  
between the 3300 XL NSv  
Proximity Sensor and the  
monitor. See the frequency  
response graphs Figure 16  
and Figure 17 for signal

rolloff at high frequencies  
when using longer field  
wiring lengths.

Linear Range

1.5 mm (60 mils). Linear  
range begins at  
approximately 0.25 mm (10  
mils) from target and is  
from 0.25 to 1.75 mm (10 to  
70 mils) (approximately -1  
to -13 Vdc).

Recommended

Gap Setting 1.0 mm (40 mils)

Extension

Cable Material

75  $\Omega$  coaxial, fluoroethylene  
propylene (FEP) insulated.

Extension

Cable Armor

(optional)

Flexible AISI 302 SST  
with/without FEP outer  
jacket.

Tensile

Strength

(maximum  
rated)

220 N (50 lb) probe case to  
probe lead. 220 N (50 lb) at  
probe lead to extension  
cable connectors. 220 N (50  
lb) probe case to stainless  
steel armor.

Connector

material Gold-plated brass

Operating and

Storage

Temperature

-52°C to +177°C (-62°F to  
+351°F)

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