# Bently Nevada 330730&330930 Series Service Manual

330930-040-00-05

## 1. Description

Manufacturer : Bently Nevada

## 3. Product Information

Manufacturer : Bently Nevada

Product No. : 330930-040-00-05

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 : 00 Without stainless steel armor

Agency Approval Option : 05 =Multiple Approvals

Extension Cable Material : 75 Ω 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
Proximitor Sensor total length.

Extension cable
dc resistance

Center conductor: 0.220
Ω/m (0.067 Ω/ft)

Shield: 0.066 Ω/m (0.020
Ω/ft)

Extension cable
capacitance

69.9 pF/m (21.3 pF/ft)
typical

Field Wiring

0.2 to 1.5 mm2 (16 to 24
AWG)[0.25 to 0.75 mm2 (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
Proximitor 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 Ω coaxial, fluoroethylene
propylene (FEP) insulated.

Extension
Cable Armor
(optional)

Flexible AISI 302 SST
with/without FEP outer
jacket.

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|---|---|
| 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) |