

Bently Nevada 330930-060-10-00 Manual

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

Description

Manufacturer : Bently Nevada

Product No. :330930-060-10-00

Product type : 3300 NSv Extension Cable

Made in U.S.A

Cable Length Option : 060 = 6.0 meters (19.7 feet)

Connector and Cable Option : 10= FluidLoc cable with stainless steel armor, with FEP jacket, with connector protector

Agency Approval Option : 00 = Not Required

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 Proximity 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

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 Ω coaxial, fluoroethylene
propylene (FEP) insulated.

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75 Ω coaxial, fluoroethylene
propylene (FEP) insulated.

Proximitors

Sensor Material A380 aluminum

System Length 5 or 7 meters including
extension cable

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

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Connector

material Gold-plated brass

Operating and

Storage

Temperature

-52°C to +177°C (-62°F to

+351°F)

Temperature Schedule

Ambient Temperature

(Probe Only)

For EPL Ga and Gc

Temperature Classification T1 Ambient Temperature -55°C to +232°C

Temperature Classification T2 Ambient Temperature -55°C to +177°C

Temperature Classification T3 Ambient Temperature -55°C to +120°C

Temperature Classification T4 Ambient Temperature -55°C to +80°C

Temperature Classification T5 Ambient Temperature -55°C to +40°C

For EPL Dc

Temperature Classification T280°C @ Ta Ambient Temperature -55°C to +232°C

Temperature Classification T225°C @ Ta Ambient Temperature -55°C to +177°C

Temperature Classification T170°C @ Ta Ambient Temperature -55°C to +120°C

Temperature Classification T130°C @ Ta Ambient Temperature -55°C to +80°C

Temperature Classification T105°C @ Ta Ambient Temperature -55°C to +100°C

Temperature Classification T90°C @ Ta Ambient Temperature -55°C to +40°C

