Bently Nevada 330730&330930 Series Service Manual

330930-065-01-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. :330930-065-01-05

Product type : 3300 NSv Extension Cable

Made in U.S.A

Cable Length Option : 065 = 6.5 metres (21.3 feet)

Connector and Cable Option : 01 With stainless steel armor, with

FEP jacket

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.	
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)