

Bently Nevada 330930-060-01-05 Manual

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

Description

Manufacturer : Bently Nevada

Product No. : 330930-060-01-05

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 : 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 : -5 $^{\circ}$ C to +117 $^{\circ}$ C (-60 $^{\circ}$ F to +251 $^{\circ}$ 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.

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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