

Bently Nevada 330730&330930 Series Service Manual

330930-045-08-05

1. Description

Manufacturer : Bently Nevada

3. Product Information

Manufacturer : Bently Nevada

Product No. : 330930-045-08-05

Product type : 3300 NSv Extension Cable

Made in U.S.A

Cable Length Option : 045 = 4.5 meters (14.8 feet)

Connector and Cable Option :08 = FluidLoc cable with stainless steel armor, without 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)

