

Bently Nevada 330190-075-00-05

Manufacturer : Bently Nevada

Manufacturer : Bently Nevada

Product No. :330190-075-00-05

Product Type : 3300 XL Extended Temperature Range (ETR) Extension Cable

Cable Length Option : 075 - 7.5 meters (24.6 feet)

Cable Option : 00 -Standard cable

Agency Approval Option : 05 -CSA, ATEX, IECEx Approvals

Nominal Extension Cable DC Resistance
Resistance (RCORE) from Center Conductor
to Center Conductor

Length of Extension Cable (m): 7.5 meters (24.6 feet)

RCORE (Ω) : 1.65 ± 0.25

Resistance (RJACKET) from Outer Conductor
to Outer Conductor

Length of Extension Cable (m) 7.5 meters (24.6 feet)

RJACKET (Ω) : 0.49 ± 0.10

Extension Cable Capacitance 69.9 pF/m (21.3 pF/ft) typical

Field Wiring

0.2 to 1.5 mm² (16 to 24

AWG). Recommend using

3 conductor shielded triad

cable and tinned field

wiring. Maximum length of

305 meters (1,000 feet)

between the 3300 XL

Proximito Sensor and the

monitor. See the frequency

response graphs, Figures

10 and 12, for signal rolloff

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

at high frequencies when
using longer field wiring
lengths.

Linear Range

2 mm (80 mils). Linear
range begins at
approximately 0.25 mm (10
mils) from target and is
from 0.25 to 2.3 mm (10 to
90 mils) (approximately -1
to -17 Vdc).

Recommended

Gap Setting for

Radial Vibration

-9 Vdc [approximately 1.27
mm (50 mils)]

Extension Cable Material

Standard
cable

75 Ω triaxial, fluoroethylene
propylene (FEP) insulated

Extended

Temperature

Range cable

75 Ω triaxial, perfluoroalkoxy
(PFA) insulated.

Minimum

Cable Bend

Radius

25.4 mm (1.0 in)

3300 XL 8 mm components are both
electrically and physically
interchangeable with non-XL 3300 5
mm and 8 mm components when
minimum permissible cable bend
radius is observed.

Connector

Material

Gold-plated brass or goldplated beryllium copper.

Maximum



You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

Connector

Torque

0.565 N•m (5 in•lbf)

Extension

Cable 34 g/m (0.4 oz/ft)

Armored

Extension

Cable

103 g/m (1.5 oz/ft)

Extension Cable Temperature Range

Operating and Storage Temperature

Standard

Cable

-52° C to +177° C

(-62° F to +350° F)

Extended

Temperature

Range Cable

-52° C to +260° C (-62° F to
+500° F)

Compliance and Certifications

FCC

This device complies with part 15 of the
FCC Rules. Operation is subject to the
following two conditions:

I This device may not cause harmful
interference.

I This device must accept any
interference received, including
interference that may cause
undesired operation.

EMC

European Community Directive:

EMC Directive 2014/30/EU

Standards

EN 61000-6-2; Immunity for
Industrial Environments

EN 61000-6-4; Emissions for
Industrial Environments

You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com

RoHS

European Community Directive:

RoHS Directive 2011/65/EU

Maritime

2019 Rules for Conditions of Classification,

Part 1, 1-1-1/7.7, 1-1-A3, 1-1-A4

2019 Rules for Conditions of Classification,

Part 1, Offshore Units and Structures

1-1-4/9.7, 1-1-A2, 1-1-A3

Functional Safety

SIL 2, HFT = 0

SIL 3, HFT = 1



You can contact us through the following contact information

www.sparetechplc.com +86 180 3000 5825 sales@sparetechplc.com