21747-075-00

Extension Cable

EXACT PUBLISHED IDENTITY

Bently Nevada 21747-075-00 is a 7.5 m unarmored extension cable for the legacy 7200 Series 5 mm and 8 mm proximity transducer system. It connects the compatible probe lead to the matching 7200 Proximitor sensor.

Technical snapshot

Manufacturer	Bently Nevada
Exact part number	21747-075-00
Base cable family	21747
Product function	Proximitor probe extension cable
System family	7200 Series 5 mm and 8 mm proximity system
Length option	075 = 7.5 m
Approximate imperial length	295.3 in
Armor option	00 = without armor

Verified related ApterPower product pages

Bently Nevada 24710-080-01-00

Bently Nevada 330180-X1-05 MOD:143945-05

Engineering data

Verified exact-model values from official manufacturer evidence

Published characteristics

Signal construction	Coaxial extension cable
Connection role	Compatible probe lead to matched Proximitor sensor
System elements	Probe, extension cable and Proximitor sensor
Compatibility control	Retain the approved total electrical length and component family
Excluded identity	Not a 7200 Series 11 mm extension cable

EVIDENCE BOUNDARY

Confirm the complete 21747-075-00 marking, both connectors, probe identity and matched 7200 Proximitor requirement before replacement.

Verified related ApterPower product pages

Bently Nevada 330180-X1-05 MOD:145193-01

Bently Nevada 330101-XX-XX-20-02-CN

System role and applications

Documented contexts without configuration inference

LEGACY 7200 MONITORING

Cable replacement in a documented 7200 Series 5 mm or 8 mm proximity measurement point.

TURBINE SHAFT MONITORING

Matched extension routing for approved radial vibration, axial position or Keyphasor measurement arrangements.

COMPRESSOR PROTECTION

Like-for-like cable service where the installed probe and Proximitor require the same electrical-length configuration.

MAINTENANCE SPARES

Exact-identity spare control for legacy machinery-protection systems that still specify 21747-075-00.

Integration control

The base number 21747 identifies the legacy extension-cable family used with compatible 7200 Series 5 mm and 8 mm proximity systems. In the complete suffix, 075 identifies the 7.5 m length option and 00 identifies the version without armor. The cable must remain matched to the installed probe and Proximitor electrical-length requirement; it is not a complete transducer system and it is not an 11 mm system cable.

Technical questions

Complete answers tied to the exact published model

What is Bently Nevada 21747-075-00?

Bently Nevada 21747-075-00 is an unarmored 7.5 m extension cable for a compatible legacy 7200 Series 5 mm or 8 mm proximity transducer system.

Which system family uses the 21747 cable?

The 21747 cable family is used with compatible Bently Nevada 7200 Series 5 mm and 8 mm proximity systems.

What does the 075 code specify in 21747-075-00?

The 075 code specifies a 7.5 m electrical-length option, which is approximately 295.3 inches.

Does the final 00 suffix indicate cable armor?

The final 00 suffix identifies the version supplied without armor.

Where is 21747-075-00 installed in the measurement chain?

The 21747-075-00 is installed between the compatible probe lead and the matched 7200 Proximitor sensor.

Is 21747-075-00 a complete proximity transducer system?

The 21747-075-00 is only the extension cable, so a compatible probe and Proximitor sensor are also required to form the measurement system.

Can this cable be treated as a 7200 Series 11 mm component?

The 21747-075-00 must not be identified as an 11 mm cable because manufacturer legacy documentation associates the 21747 family with 7200 Series 5 mm and 8 mm systems.

What must be verified after replacing 21747-075-00?

The technician must verify the matched component family, approved total electrical length, gap voltage, monitor status and documented channel response after replacement.

Product precautions

Eight controlled checks before return to service

1. Record the complete 21747-075-00 marking and both connector identities before work.
2. Place the monitor and affected machinery channel in the approved safe maintenance state.
3. Confirm that the installed probe and Proximitor belong to the 7200 Series 5 mm or 8 mm family.
4. Verify the required total electrical length before disconnecting the existing cable.
5. Inspect the unarmored cable jacket and both coaxial connectors for damage or contamination.
6. Route the cable without sharp bends, crushing, tension or unapproved shortening.
7. Reconnect the probe and Proximitor interfaces without mixing another transducer family.
8. Restore the channel and document gap voltage, monitor status and acceptance results.

Manufacturer evidence used

- Bently Nevada 7200 Series 5 mm / 8 mm Proximitor Sensor Supplement Manual, publication 164931-01.
- Cross-checked exact-part ordering records for 21747-075-00 length and armor suffixes.

Verified related ApterPower product pages

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