Bently Nevada 21747-045-00

Complete Product Information

Bently Nevada 21747-045-00 is a 4.5 m unarmored extension cable for a documented legacy 7200 proximity transducer chain.

01 Product identity and verified data

Complete model	21747-045-00
Product type	7200 Series extension cable
Manufacturer	Bently Nevada
Technical source	Bently Nevada 7200 Proximity Transducer Systems technical and ordering information
Cable family	21747 legacy 7200 extension cable
Selected cable length	4.5 m
Mechanical protection	Without armor
Signal role	Probe-to-Proximitor extension in a legacy 7200 chain
Calibration boundary	Probe lead plus extension length matches the installed 7200 Proximitor
Connector requirement	Match both installed legacy coaxial interfaces
Continuity boundary	Center and shield paths checked only with the channel isolated
Route controls	Bend clearance, abrasion protection and connector strain relief

Engineering purpose

The 4.5 m length and unarmored construction are the two decisive fields for 21747-045-00; both must be verified against the legacy installed record.

Selected order-code snapshot

Selected legacy cable	4.5 m 21747 extension cable without armor.
Installed-system role	Completes the probe-to-Proximitor path in a documented 7200 chain.
Substitution boundary	Do not transfer 3300 XL connector or electrical values to this legacy cable.

02 Technical capability and engineering overview

Included component	Extension cable only
Acceptance evidence	Continuity, restored gap or bias and returned monitor response

Evidence boundary

The selected 045 length and 00 unarmored construction are taken only from the original Bently Nevada 7200 ordering table preserved in the authorized third-party copy. No adjacent 3300 XL values are transferred.

Engineering overview

The 045 field selects a 4.5 m extension length and the final 00 field selects no armor. Both fields must match the installed 7200 cable record and the physical route before the old cable is removed.

Because the unarmored route has no stainless-steel mechanical sheath, provide independent abrasion protection, bend clearance and strain relief at both legacy coaxial joints.

The cable remains one calibrated element of the probe-cable-Proximitor path. Acceptance uses isolated continuity, restored gap or bias and the returned legacy monitor response rather than modern 3300 XL cable values.

Application map

Legacy shaft-vibration channel

Extend the documented 7200 probe path to the matching Proximitor used for shaft-vibration measurement.

Legacy position channel

Preserve the recorded total electrical length and target relationship for shaft-position measurement.

Protected unarmored routing

Use only where the machine route supplies external protection and independent connector strain relief.

Installed-chain maintenance

Match the complete 7200 probe, 4.5 m cable, Proximitor and monitor identities before replacement.

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 21747-045-00 and the documented legacy 7200 Series proximity transducer system context only.
Interface boundary	Connector, terminal, bus, cable and companion-device assignments must match the installed drawing.
Electrical boundary	Use exact-model values only; system-level ratings remain conditional on the complete installed configuration.
Configuration boundary	Switches, jumpers, addresses, firmware and project settings must be reconciled before energization.
Diagnostic boundary	Interpret indicators and fault states together with measured inputs, outputs and host-system status.
Acceptance rule	Use the approved system baseline and maintenance procedure for the final as-left decision.

Installed-system context

The offered item is the 4.5 m unarmored cable; exact connector interfaces and the installed 7200 companion chain govern compatibility.

04 Lifecycle, offered scope and related references

Lifecycle status

Installed-base role	The 21747 family supports legacy 7200 proximity systems and must be matched to the installed chain.
Selected order fields	The 045 field identifies 4.5 m; final 00 identifies the unarmored construction.
Replacement boundary	A modern 3300 XL extension cable is not a like-for-like substitute unless the complete measurement chain is converted.
Release evidence	Confirm marking, both companion identities, unarmored route protection, continuity and returned channel response.

Available unit details

Offered configuration	4.5 m unarmored legacy 7200 extension cable.
Identity check	Confirm 21747 family marking, 045 length field, 00 unarmored field and both connector ends.
Included scope	Extension cable only; probe, Proximitor, monitor and route hardware are separate unless itemized.

Source and applicability record

Verified source	Bently Nevada 7200 Proximity Transducer Systems technical and ordering information
Applicability boundary	The selected 045 length and 00 unarmored construction are taken only from the original Bently Nevada 7200 ordering table preserved in the authorized third-party copy. No adjacent 3300 XL values are transferred.
Product family	legacy 7200 Series proximity transducer system

Additional related product references

Related product	Bently Nevada 330104-00-16-10-02-00
Related product	Bently Nevada 330500-00-01
Related product	Bently Nevada 330980-70-CN
Related product	Bently Nevada 330930-040-03-00

Product-specific purchasing decisions

What length is selected by 21747-045-00?	The 045 field selects a 4.5 m extension cable in the legacy 21747 family.
Is armor selected for 21747-045-00?	No; the final 00 field selects an unarmored cable, so the installed route must provide external protection.
Which companion components are required for 21747-045-00?	Use the matching legacy 7200 probe, Proximitor and monitor channel recorded for the machine.
How is total electrical length checked for 21747-045-00?	Add the installed probe lead to 4.5 m and compare the total with the recorded 7200 Proximitor configuration.
How is continuity checked on 21747-045-00?	Isolate the channel, inspect both coaxial interfaces and perform the approved center-and-shield test before reconnecting.
Can 3300 XL values be applied to 21747-045-00?	No; do not transfer modern 3300 XL resistance, scale, connector or calibration data without an approved conversion.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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