Bently Nevada 21747-085-01

Complete Product Information

Bently Nevada 21747-085-01 is an 8.5 m armored extension cable for a documented legacy 7200 proximity transducer chain.

01 Product identity and verified data

Complete model	21747-085-01
Product type	7200 Series armored 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	8.5 m
Mechanical protection	Armored
Signal role	Probe-to-Proximitor extension in a legacy 7200 chain
Calibration boundary	Total probe and extension length must match the installed 7200 Proximitor
Connector requirement	Match both installed legacy coaxial interfaces
Measurement context	Non-contact shaft vibration or position, subject to installed 7200 system
Substitution boundary	Do not apply 3300 XL cable values or connectors without an approved conversion

Engineering purpose

Bently Nevada 21747-085-01 is an 8.5 m armored extension cable for a documented legacy 7200 proximity transducer chain.

Selected order-code snapshot

Selected legacy cable	8.5 m 21747 extension cable with armor.
System relationship	Completes the probe-to-Proximitor path in a documented 7200 chain.
Compatibility boundary	Length, connectors and companion electronics must match the installed legacy record.

02 Technical capability and engineering overview

Route controls	Preserve bend clearance, armor support and connector strain relief
Acceptance evidence	Continuity, connector inspection, restored gap or bias and returned monitor response
Included component	Extension cable only
Required companions	Matching 7200 probe, Proximitor and monitor channel

Evidence boundary

The selected 085 length and 01 armored identity are used only within the documented legacy 7200 chain. No adjacent 3300 XL electrical ratings are transferred.

Engineering overview

The 8.5 m length is an electrical calibration field in the legacy 7200 proximity chain. Add the installed probe lead and match the total to the recorded 7200 Proximitor configuration.

The armored construction protects the coaxial signal path, but the route still requires bend clearance, connector strain relief and protection from contamination and crushing.

This cable is not assigned modern 3300 XL electrical ratings. Acceptance relies on the complete 7200 identities, isolated continuity, restored gap or bias and returned monitor response.

Application map

Legacy 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.

Armored machine routing

Use where the installed route requires mechanical protection and independent connector strain relief.

Installed-chain maintenance

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

03 System interpretation and selection boundaries

Product boundary	Apply the listed facts to 21747-085-01 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 cable belongs to a legacy 7200 chain; exact total length, connectors, Proximitor and monitor assignment 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.
Exact selected fields	The supplied identity selects 8.5 m length and armored construction.
Replacement boundary	A 3300 XL cable is not a like-for-like substitute unless every companion component and calibration is converted.
Release evidence	Confirm cable marking, both companion identities, route, continuity and returned channel response.

Available unit details

Offered configuration	8.5 m armored legacy 7200 extension cable.
Identity check	Confirm 21747 family marking, 085 length field, 01 armor field and both connectors.
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 085 length and 01 armored identity are used only within the documented legacy 7200 chain. No adjacent 3300 XL electrical ratings are transferred.
Product family	legacy 7200 Series proximity transducer system

Additional related product references

Related product	Bently Nevada 84661-96
Related product	Bently Nevada 330102-00-28-10-02-05
Related product	Bently Nevada 330104-00-16-10-02-00
Related product	Bently Nevada 330500-00-01

Product-specific purchasing decisions

What length is selected by 21747-085-01?	The 085 field selects an 8.5 m extension cable in the legacy 21747 family.
Which mechanical protection applies to 21747-085-01?	The 01 field selects armored construction; inspect support and damage along the complete route.
Which companion components are required for 21747-085-01?	Use the matching legacy 7200 probe, Proximitor and monitor channel recorded for the machine.

Engineering contact

Discuss the exact marking and installed application with Apter Power.
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