P0931RQ

Type 4 P/PVC Termination Cable

P0931RQ is a Foxboro Type 4 P/PVC termination cable in the 200-series I/O termination system. It joins the appropriate FBM and termination assembly; it does not process I/O signals itself.

Identity and engineering context

The catalog specifies 26 AWG conductors and a 2.0 m cable length for this code. The Type 4 designation distinguishes it from other P/PVC termination cables, including the separately specified Type 1 P0931RM.

Technical capability map

Cable type

Type 4 P/PVC

Conductor size

26 AWG

Catalog length

2.0 m

Application

200-series I/O termination

Role

FBM-to-termination-assembly interconnect

Replacement decisions must compare the installed cable type, connector pair and host termination plan. Preserve the existing route and verify each channel that passes through the cable after reconnecting.

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Applications and compatibility

Termination interconnect

Join a compatible 200-series FBM to its field termination assembly.

I/O cabinet replacement

Restore the exact cable type after jacket or connector damage.

Signal-path maintenance

Check the cable path while diagnosing a multi-channel field fault.

Cabinet rework

Retain approved connector orientation and routing during service.

Engineering precautions

01 Read cable marking

Confirm P0931RQ and Type 4 before fitting.

02 Verify endpoints

Match the FBM and termination assembly connection plan.

03 Inspect connectors

Check pins, shells and strain relief.

04 Protect cable path

Avoid crushing, sharp edges and unsuitable bend radius.

05 Control process state

Isolate affected I/O before disconnection.

06 Test all channels

Check continuity and host indication after service.

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Service decisions and documentation

Why is P0931RQ not interchangeable with P0931RM on length alone?

The two codes identify different termination-cable types; P0931RQ is Type 4, 26 AWG, while P0931RM is Type 1.

What records should be kept for P0931RQ replacement?

Retain both endpoint markings, cabinet routing, cable type and list of affected channels.

How should P0931RQ be inspected before energizing?

Check the 26 AWG cable jacket, termination ends, strain relief and pin alignment.

What is the commissioning test for P0931RQ?

Verify each affected point at its field termination and host indication after connection.

What does a multi-channel fault after changing P0931RQ suggest?

Check connector seating, cable orientation, mating termination hardware and the complete cable path.

Can P0931RQ be extended by joining two cables?

A joined extension is not established by the catalog description. Use the approved I/O termination design and specified length.

Does P0931RQ determine the FBM channel function?

No. Channel function is defined by the paired FBM and control configuration; this item is an interconnect.

How should electromagnetic interference be considered for P0931RQ?

Preserve the designed cable route and separation from power wiring; follow the installed system grounding plan.

Technical basis: Foxboro PSS 21H-2Z42 B4.

Related Foxboro service parts

- Foxboro FBM218 P0922VW
- Foxboro P0922AE
- Foxboro FBM1/37/43 P0400HH

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