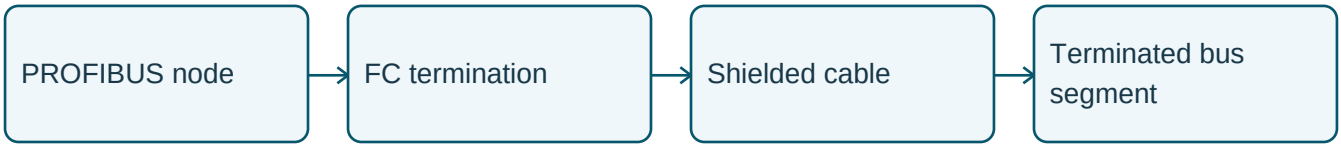
6XV1830-0EH10 200M

01 / System identity and preparation

Siemens 6XV1830-0EH10 200M is a 200 m offered length of PROFIBUS FC Standard Cable GP. The manufacturer article 6XV1830-0EH10 is a shielded two-wire cable designed for fast, permanent installation with compatible FastConnect components. The 200M marking describes the offered length and remains part of this listing identity; it does not define a permissible network segment length.



Preparation priorities

Cable and length	Match 6XV1830-0EH10 and retain the offered 200M length identity.
PROFIBUS integration	Choose compatible FastConnect terminals and a bus topology appropriate to the configured data rate.

Guide boundary

This Apter Power guide organizes preparation and acceptance checks. Apply the manufacturer instructions and approved site procedure for detailed wiring, mounting, configuration and functional testing.

Application boundary

Cable characteristics apply to manufacturer article 6XV1830-0EH10; 200M is the offered length. Bus segment limits depend on the configured network rate and topology.

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Configuration review before service

Cable and length	Match 6XV1830-0EH10 and retain the offered 200M length identity.
PROFIBUS integration	Choose compatible FastConnect terminals and a bus topology appropriate to the configured data rate.
Cable installation	Preserve screen continuity, bend-radius limits and the maximum 100 N tensile load.
Network acceptance	Check terminations, conductor assignment and communication across the completed segment.

Cable and length

Match 6XV1830-0EH10 and retain the offered 200M length identity.

PROFIBUS integration

Choose compatible FastConnect terminals and a bus topology appropriate to the configured data rate.

Configured system behavior

The cable has red and green polyethylene-insulated conductors, a PVC inner sheath and violet PVC outer sheath. Shielding combines overlapped aluminum-clad foil with a braid of tin-plated copper wire. Nominal characteristic impedance is 150 ohms in the 3 to 20 MHz range, with a ten-percent tolerance. Maximum loop resistance is 110 milliohms per metre and capacitance is 28.5 pF per metre at 1 kHz.

Mismatch decision

Resolve a different catalog marking, interface, software requirement or installed configuration before proceeding. Physical similarity alone does not establish an approved replacement.

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03 / Hardware and interface checks

Cable installation

Preserve screen continuity, bend-radius limits and the maximum 100 N tensile load.

Network acceptance

Check terminations, conductor assignment and communication across the completed segment.

Key hardware references

Offered length	200 m
Conductors	2
Shield	Aluminum-clad foil and tin-plated copper braid
Outer sheath	Violet PVC

Configuration and service context

The operating, storage, transport and installation temperature range is minus 40 to plus 75 degrees Celsius. Minimum permissible bend radius is 37.5 mm for a single bend and 75 mm for repeated bends; maximum tensile load is 100 N. Use the correct connector and termination, maintain shield continuity and plan the bus topology and segment length for the actual data rate. The standard cable is intended for fixed installation rather than unrestricted continuous-flex motion.

Preserve the connection record

Photograph and label the affected connections before disconnection. Retain the original routing, module positions and identification with the work order, and compare the restored installation against that record.

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04 / Commissioning and diagnostic decisions

Protect the hardware

Use the applicable isolation and electrostatic-discharge controls. Preserve connectors, identification and mechanical retention during handling.

Verify the restored function

Apply the approved site acceptance procedure and compare actual behavior with the recorded system configuration before returning equipment to service.

Acceptance checkpoints

Before energization	Choose compatible FastConnect terminals and a bus topology appropriate to the configured data rate.
Configuration review	Preserve screen continuity, bend-radius limits and the maximum 100 N tensile load.
Functional release	Check terminations, conductor assignment and communication across the completed segment.

Does the offered length of 6XV1830-0EH10 200M establish a permitted PROFIBUS segment length?

No. Segment length and topology must be selected for the actual network rate, connectors and termination arrangement.

Abnormal result

If diagnostics, communication or functional response differ from the approved baseline, stop the release and resolve the configuration or installation issue. Do not bypass an interlock or protective function to obtain a passing test.

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05 / Service record and technical references

Lifecycle and support

The underlying 6XV1830-0EH10 cable article is an Active Product. The 200M offered length is a supply configuration and does not define a separate manufacturer lifecycle phase.

Technical basis

Siemens 6XV1830-0EH10 Product Data Sheet, 11/2026.

Applicability

Cable characteristics apply to manufacturer article 6XV1830-0EH10; 200M is the offered length. Bus segment limits depend on the configured network rate and topology.

Related portfolio references

Siemens 6ES7522-1BH00-0AB0

Siemens 6ES7592-1BM00-0XA0

Siemens 6DD1661-0AE0

Navigation only. These listings are not confirmed replacements, compatible accessories or included items.

Handover record

Retain the complete fitted marking, hardware/software revision where applicable, connection record and accepted test results. Confirm separate accessories and documents in the quotation.

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