6XV1830-0EH10 200M

01 / Product identity and control context

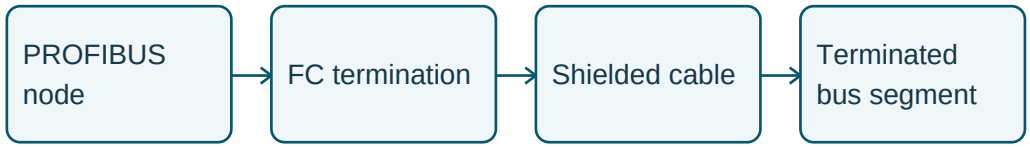
PROFIBUS FastConnect Cable

Siemens 6XV1830-0EH10 200M is a 200 m offered length of PROFIBUS FC Standard Cable GP.

Key characteristics

Product type	PROFIBUS FastConnect Cable
Product series	SIMATIC NET
Cable type	PROFIBUS FC Standard Cable GP

Functional relationship



Cable and length

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

Configuration 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.

6XV1830-0EH10 200M

02 / Technical characteristics

Hardware and functional data

Product series	SIMATIC NET
Cable type	PROFIBUS FC Standard Cable GP
Offered length	200 m
Conductors	2
Shield	Aluminum-clad foil and tin-plated copper braid
Outer sheath	Violet PVC

Interfaces and operating conditions

Nominal impedance	150 ohms at 3 to 20 MHz, ±10%
Maximum loop resistance	110 milliohms/m
Capacitance	28.5 pF/m at 1 kHz
Operating temperature	-40 to +75 °C
Tensile load	100 N maximum

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03 / Application and integration contexts

Fixed PROFIBUS wiring

Install the standard two-wire cable in a permanent bus route suited to the network topology.

FastConnect termination

Prepare compatible cable ends and terminate the conductors and screen with matching FC components.

PROFIBUS integration

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

Cabinet bus distribution

Maintain shield continuity and the required bend and strain limits through the cabinet route.

Segment extension

Engineer the segment length and termination for the actual bus rate before using the offered cable length.

Cable installation

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

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04 / Installation and release decisions

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.

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.

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05 / Lifecycle, evidence and related portfolio

Lifecycle status

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.

Supply boundary

Apter Power availability and dispatch are confirmed separately from the manufacturer lifecycle phase.

Technical basis

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

Related product references

Siemens 6ES7522-1BH00-0AB0

Siemens 6ES7592-1BM00-0XA0

Siemens 6DD1661-0AE0

Navigation only; no substitute or accessory compatibility is implied.

Offered-unit verification

Compare the complete label, connectors, mounting arrangement and applicable hardware/software revision. Confirm included components and accompanying documents in the quotation.

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