6XV1830-0EH10 200M

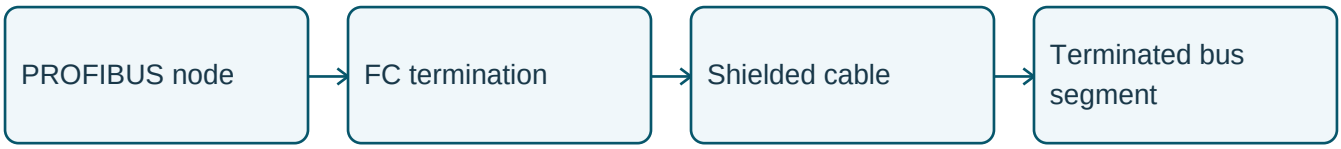
01 / Product identity and technical snapshot

PROFIBUS FastConnect Cable

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.

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

System relationship



Technical basis

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

Product and installation enquiries

sales13@apterpower.com | +86 18030235313

Apply manufacturer instructions and approved site procedures.

02 / Functional role and installed configuration

Product role

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.

Integration checks

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.

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.

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6XV1830-0EH10 200M

03 / Confirmed technical characteristics

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
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

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.

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04 / Configuration and diagnostic questions

How many conductors does 6XV1830-0EH10 200M contain?

It contains two conductors with red and green insulation.

What shielding construction is used in 6XV1830-0EH10 200M?

Overlapped aluminum-clad foil is combined with a braided screen of tin-plated copper wire.

What impedance applies to 6XV1830-0EH10 200M?

Nominal characteristic impedance is 150 ohms from 3 to 20 MHz, with a ten-percent tolerance.

What temperature range is specified for 6XV1830-0EH10 200M?

Operation, storage, transport and installation are specified from -40 to +75 °C.

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05 / Service context and portfolio references

What bend-radius limits apply to 6XV1830-0EH10 200M?

The minimum is 37.5 mm for a single bend and 75 mm for multiple bends.

Source identity and applicability

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

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.

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