

Siemens 6ES5734-1BD20

RS232/TTY Converter Cable

A 3.2 m serial PC cable with an integrated RS232/TTY converter for supported SIMATIC operator-panel connections.

Job objective

Replace, install or verify the exact module without changing unrelated wiring, configuration, dimensions, weight or other stored product data.

Safe-work boundary

Identify Match the complete model and every suffix or secondary code.	Isolate Apply the plant-approved electrical and process isolation procedure.
Preserve Back up configuration and photograph all connections.	Control Use ESD protection and revision-controlled documentation.

Required evidence before work

Nameplate photo; slot/rack record; connector map; project backup where applicable; fault history; approved acceptance procedure.

Verification focus

- | | |
|----------------------|---------------------------------|
| ● Siemens | ● 6ES5734-1BD20 |
| ● 3.2 m cable length | ● Legacy operator-panel service |

Readiness checklist

Exact identity	Siemens 6ES5734-1BD20 matches the work order and physical unit
System position	Rack, slot and functional assignment are recorded
Configuration	Parameters, firmware or project data are backed up when applicable
Connections	Every cable, terminal, jumper and shield is labeled
Condition	Connector, board and packaging condition are inspected
Test plan	Expected states and acceptance evidence are agreed

Interface preparation

Source connector	PC serial 25-pin RS232
Signal conversion	Integrated RS232 to TTY
Target equipment	Operator-panel variants listed in the Siemens matrix
Maximum listed length	3.2 m for this order number
Transfer workflow	Use the panel-specific engineering procedure
Continuity check	Inspect both connectors and cable strain relief before use

Interface acceptance record

- Source connector: PC serial 25-pin RS232
 - Target equipment: Operator-panel variants listed in the Siemens matrix
- Signal conversion: Integrated RS232 to TTY
 - Maximum listed length: 3.2 m for this order number

Controlled replacement workflow

1	Confirm isolation and absence of hazardous energy
2	Compare old and replacement identities and revisions
3	Photograph and label all connections
4	Remove the existing module using ESD-safe handling
5	Inspect slot, connector, grounding and cooling path
6	Install the exact replacement without forcing connectors
7	Restore cables, jumpers and settings from the controlled record
8	Perform a final visual and continuity check before energization

STOP POINT

Do not energize if the model, slot, connector orientation, grounding, jumper state or documented system assignment is unresolved.

Configuration control	
● PC-side interface: Serial, 25-pin RS232	● Conversion: Integrated RS232/TTY converter
● Target class: Supported SIMATIC operator panels	● Use boundary: Panel variant must be checked in the Siemens cable matrix

Staged return to service

Stage	Action	Acceptance
Stage 1	Visual inspection and isolation release	Expected controlled result
Stage 2	Apply control power under observation	Expected controlled result
Stage 3	Confirm module recognition or status	Expected controlled result
Stage 4	Verify communication and affected signal paths	Expected controlled result
Stage 5	Exercise the documented function	Expected controlled result
Stage 6	Archive measured results and as-left configuration	Expected controlled result

Product-specific acceptance focus

1 De-energize or place the panel in the documented service state before connecting.	2 Secure the 3.2 m cable to prevent pull load on either connector.
3 Use the panel-specific transfer settings and communication procedure.	4 After transfer, confirm the panel project and remove the service cable safely.

Release evidence

- De-energize or place the panel in the documented service state before connecting.
- Secure the 3.2 m cable to prevent pull load on either connector.
- Use the panel-specific transfer settings and communication procedure.
- After transfer, confirm the panel project and remove the service cable safely.

Fault isolation and final record

1	Unexpected state: stop and capture evidence
2	Recheck identity, power, slot and connectors
3	Compare configuration and revision records
4	Test surrounding system before condemning the module
5	Restore a safe state and document the outcome

Apter Power handover record

Model identity	Keep the complete Siemens model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power products	Exact product page
Siemens 6DD1611-0AD0	View Siemens 6DD1611-0AD0
Siemens 6DS1211-8AA	View Siemens 6DS1211-8AA
Siemens 6DS1220-8AA	View Siemens 6DS1220-8AA
Siemens 6DS1223-8AA	View Siemens 6DS1223-8AA



Commissioning support sales13@apterpower.com +86 180 3023 5313 www.apterpower.com

Source and identity trace

- Exact identity: Siemens 6ES5734-1BD20
 - Siemens Target Hardware cable matrix, order number 6ES5734-1BD20: 3.2 m, integrated RS232/TTY converter
- Siemens operator-panel hardware documentation, cable selection table