SIEMENS

Data sheet 6ES7923-5BC50-0CB0

CONNECTING CABLE 50P S7 UNSHIELDED 2.5M

Connecting cable unshielded for SIMATIC S7-1500 between front connector module and Connection module 50x0.14 mm2 with IDC connectors, L = 2.5 m



Technical Product Detail Page	https://i.siemens.com/1P6ES7923-5BC50-0CB0
target system	SIMATIC S7-1500
suitability for use	Digital I/O modules
suitability for interaction	
● input card PLC	Yes
● PLC output card	Yes
suitability for use	
● digital signal transmission	Yes
● analog signal transmission	No
product brand name	SIMATIC Top connect
product type designation	Fully modular connection
product designation	Pre-assembled round cable
electrical data	
operating voltage / at DC	
● rated value	24 V
● maximum	60 V
connection method	
design of cable	Round cable
number of channels	32
wire length	2.5 m
conductor cross section / rated value	0.14 mm²
Product component / with shield	No
number of poles	50
● at the 1st interface	50; cable side front connector module
● at the 2nd interface	50; on the connection module
connector type	IDC connector
type of electrical connection / on enclosure	Connector strip
type of electrical connection / in the field	Connector strip
standards, specifications, approvals	
certificate of suitability	
● cULus approval	No
Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	5.504 kg
● during manufacturing	5.352 kg
● during operation	0 kg
● after end of life	0.013 kg
ambient conditions	

Subject to change without notice
© Copyright Siemens

ambient temperature	
● during operation	0 ... 60 °C
● during storage	-30 ... +70
mechanical data	
outer diameter / of cable sheath	10.3 mm
material / of the connection cable sheath	PVC
color / of cable sheath	Black
net weight	0.21 kg
internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: system cabling	https://siemens.com/simatic-top-connect
● to website: Industry Online Support	https://support.industry.siemens.com
additional information	
other information	technical specifications apply to rated input voltage values and +25 °C ambient temperature (if not otherwise specified)
marketing text	The 50-pin round cable (unshielded) with a length of 2.5m represents the link between the front connector and connection module. This pre-assembled cable enables a trouble-free and safe signal flow. Even complex installations remain manageable and can be checked in the shortest possible time, which makes maintenance and expansion affordable. This pre-assembled connecting cable is part of the fully modular SIMATIC TOP connect connection for the fastest and safest system cabling. In addition to low wiring costs, error sources in cabling can be significantly reduced. Sensors and actuators from the peripherals are combined with the connection modules of SIMATIC TOP connect and connected to the SIMATIC S7-1500 via cable and front plug-in module.

last modified: 8/28/2026

Subject to change without notice
© Copyright Siemens