SIEMENS

Data sheet 6GF3500-8BA21

product type designation	**Power-IO-DATA cable MV500, open strands / M12 12-pin**
product description	Communication line (12-core)
	power IO data cable MV500 10 m For MV540 devices (MLFB: 6GF3540-0CD10,...-0GE10,... -0LE10; -0HE10) M12 12-pole socket pre-assembled on one side, bare end, length 10 m.
product brand name	SIMATIC MV
Technical Product Detail Page	https://i.siemens.com/1P6GF3500-8BA21
suitability for use	Plug-in cable for MV500 for wiring of 24 V, RS232 and DI/DO at the customer's end
cable designation	Li2YC 11Y
wire length	10 m
electrical data	
number of electrical connections	2
type of electrical connection	Cut off / M12 (female, 12-pin, angled)
operating voltage	
● maximum	30 V
mechanical data	
number of electrical cores	12
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
● of cable sheath	7.8 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
material	
● of the wire insulation	polyethylene (PE)
● of cable sheath	PUR
color	
● of the insulation of data wires	DIN 47100
● of cable sheath	Black
ambient conditions	
ambient temperature	
● during operation	-25 ... +70 °C
● during storage	-25 ... +70 °C
● during transport	-25 ... +70 °C
● during installation	-5 ... +70 °C
fire behavior	not specified
product features, product functions, product components / general	
product feature	
● halogen-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	No
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber

Subject to change without notice
© Copyright Siemens

threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

CE EG-Konf. UKCA EAC

last modified: 3/10/2026

Subject to change without notice
© Copyright Siemens