SIEMENS

Data sheet 6GT2691-4FH20

product type designation	**Cable RS422, M12 / Sub-D**
product description	Highly flexible communication line (6-core)
	********** spare part ********* MOBY D plug-in cable, pre-assembled, between ASM456, RF160C, RF170C, RF18XC and SLG D1XS PUR, trailing, length 2 m.



product brand name	SIMATIC RF
suitability for use	Plug-in cable for connecting a MOBY D SLG to a communication module
cable designation	L-YC11Y 6x1x0.25 6x24AWG CM
wire length	2 m
electrical data	
number of electrical connections	2
type of electrical connection	M12 (male, 8 pin, straight) / Sub-D (female, 9 pin, straight)
loop resistance per length / maximum	160 mΩ/m
insulation resistance coefficient	20 GΩ·m
operating voltage	
● maximum	300 V
mechanical data	
number of electrical cores	6
design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
● of cable sheath	5.4 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
material	
● of the wire insulation	PVC
● of cable sheath	PUR
color	
● of the insulation of data wires	DIN 47100
● of cable sheath	Black
bending radius	
● with single bend / minimum permissible	21.6 mm
● with multiple bends / minimum permissible	43 mm
● with continuous bending	75 mm
number of bending cycles	3000000
tensile load / maximum	200 N
weight per length	45 kg/km
ambient conditions	
ambient temperature	
● during operation	-30 ... +80 °C
● during storage	-30 ... +80 °C
● during transport	-30 ... +80 °C
● during installation	-30 ... +80 °C
fire behavior	flame resistant according to IEC 60332-1-2

Subject to change without notice
© Copyright Siemens

class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
● to mineral oil	resistant
● to grease	resistant
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
● halogen-free	No
● silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; CM (only cable without plug)
certificate of suitability	
● EAC approval	Yes
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● 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

Approvals / Certificates

General Product Approval

China RoHS | Manufacturer Declaration | Miscellaneous

EMV

last modified: 7/16/2026

© Copyright Siemens