SIEMENS

Data sheet 6GT2891-4FH20

Product type designation
Product description

Cable RS422, M12 / M12
Highly flexible communication line (6-core)
SIMATIC RF, MV plug-in cable, assembled, between ASM 456, RF160C, RF170C, RF18XC and reader or extension cable for ASM 456, RF160C, RF170C, RF18XC with RF, MV, MOBY PUR, trailing, length 2 m



Suitability for use	Plug-in or extension cable for connecting a reader 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) / M12 (female, 8 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

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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
Burning behavior	flame resistant according to IEC 60332-1-2
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)

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax

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