


Product-type designation		Cable RS422, M12 / M12
		SIMATIC RF, MV CONNECT. CABLE, PREASSEMBLED, BETWEEN ASM 456, RF160C, RF170C, RF18XC AND READER OR EXTENSION CABLE FOR ASM 456, RF160C, RF170C, RF18XC WITH RF, MV, MOBY PUR, CMG, TRAILING, LENGTH 2 M
		
Cable designation		L-YC11Y 6x1x0.25 6x24AWG CMG
Cable length		2 m
Electrical data		
Number of electrical connections		2
Loop resistance per length / maximum		160 Ω/km
Insulation resistance coefficient		20 GΩ·m
Operating voltage		
• Maximum		300 V
Mechanical data		
Number of electrical wires		6
Design of shield		Braided shield made of tin-plated copper wires
Outer diameter		
• of the cable sheath		5.4 mm
Symmetrical tolerance of outer diameter / of cable sheath		0.2 mm
Material		
• of the wire insulation		PVC
• of the cable sheath		PUR
Color		
• of the 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
• Note	For use in cable carriers, for 3 million bending cycles with a bending radius of 75 mm and an acceleration of 20 m/s ²
Traction stress / maximum	200 N
Weight per length	45 kg/km

Permitted ambient conditions

Ambient temperature	
• during operating	-30 ... +80 °C
• during storage	-30 ... +80 °C
• during transport	-30 ... +80 °C
• during installation	-30 ... +80 °C
Burning behaviour	flame resistant according to IEC 60332-1-2
Chemical resistance	
• to mineral oil	resistant
• to grease	Resistant
Radiological resistance / to UV radiation	Resistant

Product properties, functions, components / general

Product feature	
• halogen-free	No
• silicon-free	Yes

Standards, specifications, approvals

UL/ETL listing / with 300 V rating	Yes: CMG
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Further Information / Internet Links

Internet-Link	
• to website: Industry Mall	https://www.siemens.com/industrymall
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com

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