

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 MIT RF, MV, MOBY PUR, CMG, TRAILING, LENGTH 20 M	
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CMG
Cable length	20 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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