

Product type designation Product description	Communication cable without connector Highly flexible communication line (6-core) RFID SYSTEMS CONNEC. CABLE ASM - READER W/O CONNECTOR, PACKED SEPARAT. PUR, CMG, TRAILING, 800 M
Suitability for use	Cord for self-assembly of a cable between reader and a communication module
Cable designation	L-YC11Y 6x1x0.25 6x24AWG CMG
Cable length	800 m

Electrical data

Loop resistance per length / maximum	160 mΩ/m
Insulation resistance coefficient	20 GΩ·m
Operating voltage <ul style="list-style-type: none"> • maximum 	300 V

Mechanical data

Number of electrical cores	6
Design of the shield	Braided shield made of tin-plated copper wires
Outer diameter <ul style="list-style-type: none"> • of cable sheath 	5.4 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
Material <ul style="list-style-type: none"> • of the wire insulation • of cable sheath 	PVC PUR
Color <ul style="list-style-type: none"> • of the insulation of data wires • of cable sheath 	DIN 47100 Black
Bending radius <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending 	21.6 mm 43 mm 75 mm
Number of bending cycles	3000000
Tensile load / maximum	200 N
Weight per length	45 kg/km

Permitted ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport 	-30 ... +80 °C -30 ... +80 °C -30 ... +80 °C
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<ul style="list-style-type: none"> • during installation 	-30 ... +80 °C
Burning behavior	flame resistant according to IEC 60332-1-2
Chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to grease 	resistant Resistant
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	No Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

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