

Data sheet

6GT2090-4AN50

Product type designation

Product description

Communication cable without connector

Highly flexible communication line (6-core)

RFID SYSTEMS CONNEX. CABLE ASM - READER W/O

CONNECTOR, PACKED SEPARAT. PUR, CMG, TRAILING, 50 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
Wire length	50 m
Electrical data	
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 • of cable sheath	PVC PUR
Color	
• of the insulation of data wires • of cable sheath	DIN 47100 Black
Bending radius	
• 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	
• during operation • during storage • during transport • during installation	-30 ... +80 °C -30 ... +80 °C -30 ... +80 °C -30 ... +80 °C
Burning behavior	flame resistant according to IEC 60332-1-2
Chemical resistance	
• to mineral oil • to grease	resistant resistant
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

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

Standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CMG
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Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • 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://support.industry.siemens.com/cs/ww/en/view/67384983 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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