SIEMENS

Data sheet 6GT2090-4AN50

product type designation

product description

Communication cable without connector

Highly flexible communication line (6-core)

RFID systems connecting cable ASM reader without connector, loose PUR, trailing, 50 $\mbox{\ensuremath{m}}$



cable designation L-YC11Y 6x1x0.25 6x24AWG CM wire length 50 m loop resistance per length / maximum 160 mΩ/m insulation resistance coefficient 20 GΩ·m operating voltage • maximum • maximum 300 V mechanical data • maximum number of electrical cores 6 design of the shield Braided shield made of tin-plated copper wires outer diameter • of cable sheath • 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 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 untiliple 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 grange -30 +80 °C • during storage -30 +80 °C • during installation -30 +80 °C • flame resistant ac	suitability for use	Cord for self-assembly of a cable between reader and a communication module
Oloc resistance per length / maximum 160 mΩ/m insulation resistance coefficient 20 GΩ·m operating voltage	cable designation	L-YC11Y 6x1x0.25 6x24AWG CM
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 9.2 mm sheath PUR color • 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 43 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 conditions -30 +80 °C • during storage -30 +80 °C • during transport -30 +80 °C • during installation -30 +80 °C	wire length	50 m
insulation resistance coefficient operating voltage • maximum mechanical data number of electrical cores design of the shield Outer diameter • of cable sheath symmetrical tolerance of the outer diameter / of cable sheath material • of the wire insulation • of cable sheath color • of the insulation of data wires • of cable sheath bending radius • with single bend / minimum permissible • with single bends / minimum permissible • with continuous bending number of bending cycles tensile load / maximum weight per length ambient conditions ambient temperature • during storage • during transport • during installation • 30 +80 °C • during installation • during installation • 30 +80 °C • during installation	electrical data	
operating voltage	loop resistance per length / maximum	160 mΩ/m
maximum mechanical data number of electrical cores design of the shield outer diameter of cable sheath symmetrical tolerance of the outer diameter / of cable sheath material of the wire insulation of cable sheath color of the insulation of data wires of cable sheath bending radius with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending with continuous bending number of bending cycles tensile load / maximum weight per length ambient conditions ambient temperature of during storage of uring transport of uring installation and of cable sheath 200 N weight per length abs 'C of cable sheath color -30 +80 °C of cable sheath color -30 +80 °C of cable sheath -480 °C of cable sheath -	insulation resistance coefficient	20 GΩ·m
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outer diameter	number of electrical cores	6
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of the insulation of data wires of cable sheath Black bending radius with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending rot mm number of bending cycles source tensile load / maximum weight per length during operation during storage during transport during installation DIN 47100 Black Black Black 21.6 mm 43 mm 43 mm 20.0 N 20.0 N 200 N	of cable sheath	PUR
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tensile load / maximum weight per length ambient conditions ambient temperature • during operation • during storage • during transport • during installation 200 N 45 kg/km 45 kg/km -30 +80 °C -30 +80 °C -30 +80 °C -30 +80 °C	with continuous bending	75 mm
weight per length ambient conditions ambient temperature • during operation • during storage • during transport • during installation 45 kg/km 45 kg/km 45 kg/km 46 kg/km	number of bending cycles	3000000
ambient conditions ambient temperature • during operation • during storage • during transport • during installation -30 +80 °C -30 +80 °C -30 +80 °C	tensile load / maximum	200 N
ambient temperature • during operation • during storage • during transport • during installation -30 +80 °C -30 +80 °C -30 +80 °C	weight per length	45 kg/km
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 during storage during transport during installation -30 +80 °C -30 +80 °C 	ambient temperature	
 during transport during installation -30 +80 °C -30 +80 °C 	during operation	-30 +80 °C
• during installation -30 +80 °C	 during storage 	-30 +80 °C
	during transport	-30 +80 °C
fire behavior flame resistant according to IEC 60332-1-2	during installation	-30 +80 °C
	fire behavior	flame resistant according to IEC 60332-1-2

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