

product type designation

product description

Cable for IO-Link, M12 / M12

Sensor cable (3-core)

SIMATIC RF IO-Link connecting cable, pre-assembled, between IO-Link master and reader, both ends M12 4-pole 3-core cable, PUR, length 10 m .



Figure similar

suitability for use

Plug-in cable for connecting an IO-Link device to an IO-Link master

cable designation

LiY-11Y 4xAWG 22/19

wire length

10 m

electrical data

number of electrical connections

2

type of electrical connection

M12 (male, 4 pin, straight) / M12 (female, 4 pin, straight)

loop resistance per length / maximum

108 mΩ/m

insulation resistance coefficient

20 GΩ·m

operating voltage

• maximum

30 V

mechanical data

number of electrical cores

3

design of the shield

unshielded

outer diameter

• of cable sheath

4.3 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.15 mm

material

• of the wire insulation

PVC

• of cable sheath

TPE-U Ether Isolation

color

• of the insulation of data wires

brown, white, blue, black

• of cable sheath

Black

bending radius

• with single bend / minimum permissible

34.4 mm

• with multiple bends / minimum permissible

64.5 mm

ambient conditions

ambient temperature

• during operation

-5 ... +80 °C

• during storage

-40 ... +80 °C

• during transport

-40 ... +80 °C

• during installation

-5 ... +80 °C

fire behavior

flame resistant according to AWM STYLE 21317 80°C 30V VW-1 for USA and AWM I/II A/B 80°C 30V FT-1 for Canada

product features, product functions, product components / general

product feature

<ul style="list-style-type: none"> • halogen-free 	No
standards, specifications, approvals	
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 	WG WGB
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to web page: selection aid TIA 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/67384964 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
last modified:	11/18/2021 