

product type designation

product description

Antenna cable for RTLS, FME / RP-TNC

Coaxial cable

SIMATIC RTLS accessory, antenna cable FME-F / RSMA-M, length 3 m.



suitability for use

Plug-in cable for connecting a FME antenna to a transponder or gateway

cable designation

SIMATIC NET Antenna Cable FRNC * 16AWG, E116441 CL3

wire length

3 m

electrical data

number of electrical connections

2

type of electrical connection

FME (female, straight) / R-SMA (male, straight)

attenuation factor per length

- at 2.4 GHz / typical

0.053 dB/m

impedance

- rated value

50 Ω

mechanical data

design of the shield

Braided shield made of tin-plated copper wires

outer diameter

- of cable sheath

6.3 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

material

- of cable sheath

Thermoplastic copolymer (FRNC) TQ

color

- of cable sheath

RAL 6034

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

31.5 mm

44 mm

weight per length

75 kg/km

ambient conditions

ambient temperature

- during operation
- during storage
- during transport
- during installation

-40 ... +80 °C

-40 ... +80 °C

-40 ... +80 °C

-25 ... +80 °C

chemical resistance

- to mineral oil
- to grease

conditional resistance

Conditional resistance

radiological resistance / to UV radiation

resistant

product features, product functions, product components / general

product feature

- halogen-free
- silicon-free

Yes

Yes

standards, specifications, approvals

certificate of suitability	
• RoHS conformity	Yes
standard	
• for fire behavior / flame resistance	UL 1685 (vertical tray), UL 1581, sec. 1090 (H), ECE-R 118:2019-06, § 6.2.6 acc. ISO 6722-1 § 5.22
reference code	
• according to IEC 81346-2 • according to IEC 81346-2:2019	WG WGB
further information / internet links	
internet link	
• 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	http://www.siemens.com/simatic-rtls 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:	9/12/2023 