

product type designation

product description

antenna connection cable QMA / N-Connect plug/socket

Connecting cable for SIMATIC NET antennas, preassembled

QMA/ N-Connect male/female flexible connection cable pre-assembled, length 1 m; Flexible adapter cable from antenna with QMA socket to antenna connection cable; scope of delivery: 3 units.



suitability for use

Adapter cable for connecting an antenna with QMA connection to the flexible connecting cables

wire length

1 m

electrical data

number of electrical connections	2
type of electrical connection	QMA/N-Connect male/female
transmission frequency	0 ... 6000 MHz
attenuation factor per length	
• at 2.4 GHz / typical	0.53 dB/m
• at 5.2 GHz / typical	0.83 dB/m
• at 5.85 GHz / typical	0.89 dB/m
return loss	
• minimum	23 dB
impedance	
• rated value	50 Ω
capacity per length / at 1 kHz	82 pF/m
relative speed	82 %

mechanical data

design of the shield	Braided shield made of tin-plated copper wires
outer diameter	
• of inner conductor	1.4 mm
• of dielectric	3.8 mm
• of cable sheath	6.3 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
thickness / of cable sheath	0.76 mm
material	
• of inner conductor	Cu
• of dielectric	polyethylene foam
• of cable sheath	FRNC
color	
• of cable sheath	pastel turquoise
bending radius	
• with single bend / minimum permissible	32 mm
• with multiple bends / minimum permissible	45 mm
tensile load / maximum	80 N
weight per length	75 kg/km

ambient conditions

ambient temperature

<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-40 ... +80 °C
chemical resistance	-40 ... +80 °C
<ul style="list-style-type: none"> • to mineral oil 	-40 ... +80 °C
radiological resistance / to UV radiation	-40 ... +80 °C
protection class IP	-25 ... +80 °C
	conditional resistance
	resistant
	IP67; when plugged in
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • EAC approval 	Yes
<ul style="list-style-type: none"> • RoHS conformity 	Yes
<ul style="list-style-type: none"> • fire protection in accordance with EN 45545-2 	No
standard	
<ul style="list-style-type: none"> • for fire behavior / flame resistance 	UL 1685 (Vertical tray), UL 1581 Sec. 1090 (H)
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	WG
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	WGB
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors 	https://sie.ag/2QdlxcP
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx-Download-Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com
last modified:	7/7/2022 