



SIMATIC NET,
IWLAN R-SMA/SMA MALE/MALE FLEXIBLE CONNECTION
CABLE PREASSEMBLED,
LENGTH 0.30M FLEXIBLE CONNECTION CABLE FOR
COMPONENTS WITH R-SMA AND SMA CONNECTION

Acceptability for application

Flexible connecting cable for connecting a cabinet bushing with SMA
connection to an access point/client

Cable length

0.3 m

Electrical data

Number of electrical connections

2

Design of the electrical connection

RSMA/ SMA male/male

Transmission frequency

0 ... 6000 MHz

Attenuation per length

- at 2.4 GHz / typical
- at 5.2 GHz / typical
- at 5.85 GHz / typical

0.53 dB/m

0.83 dB/m

0.89 dB/m

Return loss / minimum

23 dB

Impedance / Nominal value

50 Ω

Capacity per length / at 1 kHz

82 pF/m

Relative speed

82 %

Mechanical data

Design of shield

Braided shield made of tin-plated copper wires

Outer diameter

- of the inner conductor
- of dielectric
- of the cable sheath

1.4 mm

3.8 mm

6.3 mm

Symmetrical tolerance of outer diameter / of cable sheath	0.2 mm
Thickness / of the cable sheath	0.76 mm
Material	
• of inner conductor	Cu
• of dielectric	polyethylene foam
• of the cable sheath	FRNC
Color / of the cable sheath	Pastel turquoise
Bending radius	
• with single bend / minimum permissible	32 mm
• with multiple bends / minimum permissible	45 mm
Traction stress / maximum	80 N
Weight per length	75 kg/km
Ambient temperature	
• during operating	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-25 ... +80 °C
Protection class IP	IP68
Protection class IP / note	when plugged in
Burning behaviour	UL 1685 (Vertical tray) and UL 1581, Sec. 1090 (H)
Chemical resistance / to mineral oil	Conditional resistance
Radiological resistance / to UV radiation	Resistant
Product feature	
• halogen-free	Yes
• silicon-free	Yes
Verification of suitability	
• RoHS conformity	Yes
letzte Änderung:	Jun 28, 2014