



SIMATIC NET,
IWLAN R-SMA/ SMA MALE/MALE FLEXIBLE
CONNECTION CABLE PREASSEMBLED,
LENGTH 2M 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	2 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	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 / 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	1.4 mm
• of dielectric	3.8 mm
• of the cable sheath	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