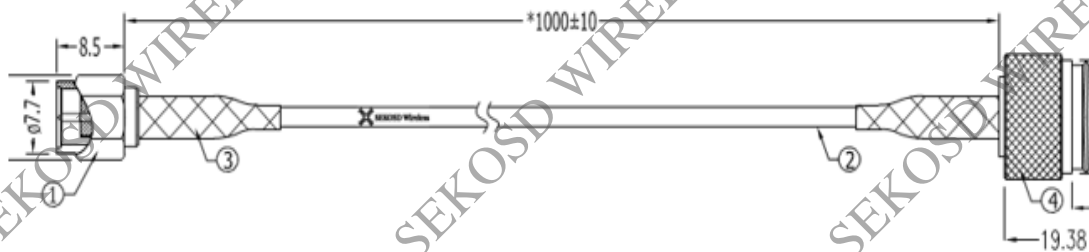



Product


- 1- RP-SMA connector.
- 2- LYR200 cable.
- 3- Heat shrink tube.
- 4- N-Type female connector.

 SEKOSD Wireless LoRa® Wireless Technology	Note:	
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Product specifications


➤ Series ALSR foam coaxial cable.

➤ Bare copper conductor.


➤ Foam polyolefin dielectric.

➤ Laminate aluminum tape shield.

➤ Tinned copper braid 85%.

➤ Black PVC jacket.

➤ Surface printing.


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Structural parameters information

material	details	Size mm	Color
Inner conductor	Bare copper	1/1.12 ±0.02	Coppery
Dielectric	Foam PE	2.95 ±0.02	White
1 st outer conductor	Laminate aluminum tape	3.1 ±0.02	Silvery
2 st outer conductor	Tinned copper braid (96*0.122mm)	3.6 ±0.02	Silvery
Jacket	PVC	5 ±0.02	Black


Physical mechanical specifications

Item	Unit	
Minimum bend radius	Loaded /mm	50
	Unloaded/mm	25
Temperature rating	°C	-20~+80

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Electrical specifications

item	unit	
Impedance	Ω	50
Capacitance	pF/m	80
Velocity ratio propagation	%	83
Inner conductor resistance	Ω/km	17.9
Outer conductor resistance	Ω/km	19.9
Insulation resistance	$\text{M}\Omega.\text{km}$	1000
Dielectric strength	V(DC)	1000
Withstand voltage of jacket	V(AC)	3000
Maximum operating frequency	MHZ	3000

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Attenuation and avg power. Typical value (20°C) (Allowable tolerance ±15%)

Frequency (MHz)	Attenuation (dB/100m)	Avg power (KW)
30	5.8	0.90
50	7.5	0.70
150	13.1	0.40
200	15.2	0.33
200	15.9	0.33
450	22.8	0.23
900	32.6	0.16
1500	42.4	0.12
1800	46.6	0.11
2000	49.3	0.11
2500	60.2	0.10
3000	60.9	0.09

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