

PRODUCT DESCRIPTION



- The high-performance of attenuation allows coaxial cable to be used in different RF systems, such as 3G, 4G mobile communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations, wireless cellular, and others.
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference.

CONSTRUCTION

Inner conductor	Copper tube	Φ 8.60±0.03mm
Insulation	Physically foamed PE	Φ 22.50±0.40mm
Outer conductor	Ring corrugated copper	Φ 24.60±0.30mm
Jacket	Black PE or Fire Retardant PE	Φ 26.90±0.20mm

MECHANICAL PROPERTIES

Min. single bending radius	mm	120
Min. repeated bending radius	mm	250
Max. tensile force	N	147
Recommended maximum clamp spacing	m	0.1

ELECTRICAL PROPERTIES

Impedance	Ω	50±3
Nominal capacitance	pF/m	75
Nominal inductance	μH/m	0.19
Propagation velocity	%	86
DC breakdown voltage	kV	6
Insulation resistance	MΩ•km	>5000
Peak power rating	kW	91
Cut-off frequency	GHz	5.5

RF50 7/8"

PN 3A01150105(PE)/3A01160141(LSZH)

TRANSMISSION PROPERTIES

Frequency MHz	Attenuation @20°C, dB/100m(dB/100ft)	Power @40°C, kW
100	1.19(0.36)	7.56
450	2.65(0.81)	3.41
690	3.35(1.02)	2.85
800	3.63(1.11)	2.48
900	3.88(1.18)	2.33
1000	4.12(1.26)	2.19
1800	5.75(1.75)	1.57
2000	6.11(1.86)	1.48
2200	6.45(1.97)	1.41
2400	6.79(2.07)	1.34
2500	6.95(2.12)	1.30
2600	7.12(2.17)	1.27
2700	7.28(2.22)	1.25
3000	7.76(2.37)	1.16
3300	8.22(2.51)	1.10
3400	8.37(2.55)	1.08
3500	8.52(2.60)	1.07
3600	8.67(2.64)	1.05
3800	8.95(2.73)	1.01

Attenuation values may be with a tolerance of 5%.

VSWR

690~960MHz	≤	1.15
1700-2200MHz	≤	1.15
2300-2400MHz	≤	1.15
2500-2690MHz	≤	1.15
3300~3800MHz	≤	1.25

ENVIRONMENTAL PROPERTIES

		PE jacket	LSZH
Recommended storage temperature	°C	-55~+85	-30~+80
Recommended installation	°C	-40~+60	-25~+60
temperature Recommended operating	°C	-55~+85	-30~+80
temperature		compliant	
2011/65EU(ROHS)			