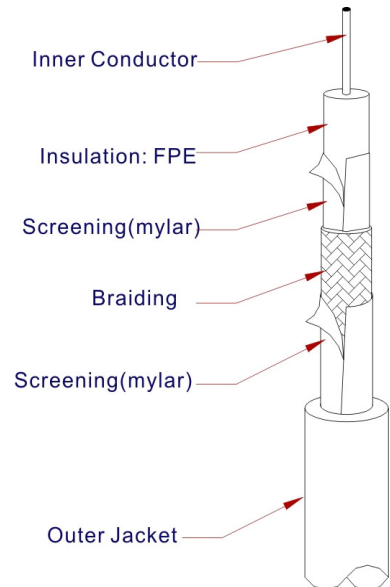


PRODUCT : COAXIAL CABLE (1.02/4.4 AA/64/A)

MODEL : SD 100 -A series

1 : STRUCTURE DETAIL

- 1-1 INNER CONDUCTOR : ϕ 1.02mm Cu
- 1-2 INSULATION : ϕ 4.4 mm FPE
- 1-3 OUTER CONDUCTOR I : 18/15 μ m Heat-sealed Al Foil
- 1-4 OUTER CONDUCTOR II : 64/0.12mm Al.Alloy
- 1-5 OUTER CONDUCTOR III : 20/0.05 Al Foil
- 1-6 OUTER JACKET : ϕ 6.8 mm PVC white



2 : MECHANICAL PROPERTIES

- 2-1 MIN. BEND RADIUS : 75 mm

3 : ELECTRICAL PROPERTIES

- 3-1 CAPACITANCE : 50~57 pF/m (20°C)
- 3-2 SCREENING FACTOR : (fig. 1) (20°C) min.
- 3-3 IMPEDANCE : 75 $\pm$ 3 Ω (200MHz)
- 3-4 RETURN LOSS : (fig.2) (20°C) min.
- 3-5 INNER CONDUCTOR DC RESISTANCE : 73.2 Ω /km (20°C)
- 3-6 OUTER CONDUCTOR DC RESISTANCE : 28.9 Ω /km (20°C)
- 3-7 ATTENUATION (dB/100m) : (fig. 3) (20°C) max.

SCREENING FACTOR (fig.1)

Frequency Range(MHz)	Specification (dB)
50~300	100
300~470	100
470~1000	95
1000~2400	85

RETURN LOSS (fig.2)

Frequency Range(MHz)	Specification (dB)
VHF 50~470	22
UHF 470~1000	20
UHF 1000~2400	20

ATTENUATION (fig.3)

Frequency (MHz)	Specification (dB100m)
50	5,7
100	7,4
200	9,9
300	12,0
470	15,0
860	20,8
1000	22,5
1350	26,4
1750	30,3
2050	33,1
2250	34,8
2400	36,0