



Cable Loss Calculator

Enter cable, jumper, connector and other loss parameters to determine transmission cable system insertion loss.

Cable loss is the total insertion loss of your transmission cable system.

This typically includes insertion loss of the transmission cable, jumper cables, connectors and lightning protection.

Loss of other components (e.g. VSWR/power monitor, duplexer, combiner or filter) may also come into play.

Enter	Cable Loss/100 m or ft	0.35	dB	Loss per 100 Meters or Feet at Frequency
Enter	Cable Length (m or ft)	139.00	m or ft	Length in Meters or Feet
Calculates	Cable Loss	0.49	dB	Transmission Cable Insertion Loss
Enter	Top Jumper Loss/100 m or ft	0.35	dB	Loss per 100 Meters or Feet at Frequency
Enter	Top Jumper Length (m or ft)	5.00	m or ft	Length in Meters or Feet
Calculates	Top Jumper Loss	0.02	dB	Top/Antenna Jumper Cable Insertion Loss
Enter	Bottom Jumper Loss/100 m or ft	0.35	dB	Loss per 100 Meters or Feet at Frequency
Enter	Bottom Jumper Length (m or ft)	3.00	m or ft	Length in Meters or Feet
Calculates	Bottom Jumper Loss	0.01	dB	Bottom/Tx Jumper Cable Insertion Loss
Enter	Loss per Connector	0.05	dB	Connector Insertion Loss
Enter	Number of Connectors	9		Two Connectors per Pair
Calculates	Connector Loss	0.45	dB	Connector Insertion Loss
Enter	Lightning Protection Loss	0.15	dB	Lightning Protection Insertion Loss
Enter	VSWR/Power Monitor Loss	0.20	dB	VSWR/Power Monitor Insertion Loss
Enter	Other Component Loss	0.20	dB	Loss of Combiner, Duplexer, Filter, etc.
Calculates	Total Cable System Loss	1.51	dB	Transmission Cable System Insertion Loss