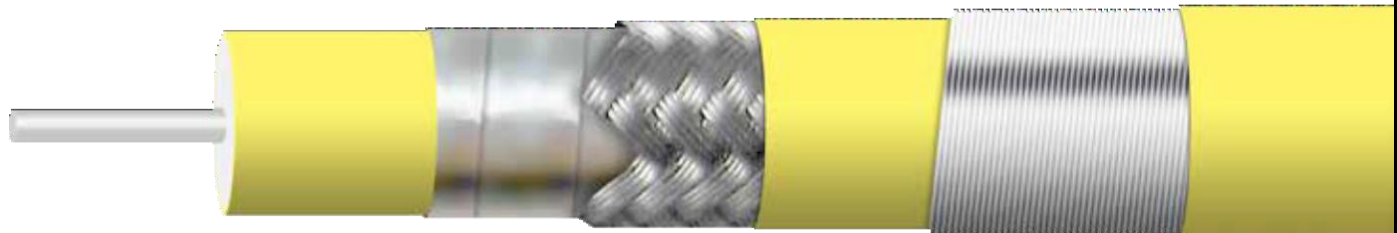


230 Series Operating Up to 26.5 GHz



Center Conductor	Dielectric	Foil	Braid	Outer Jacket	Serving	Outer Jacket
Silver Plated Copper 2301/2303 Solid 2306/2308 Stranded	EPTFE	Silver Plated Copper	Silver Plated Copper	FEP (5.8mm 0.230")	SCCS Armor	FEP (7.4mm 0.290")

	2301	2306	2303	2308
Electrical Characteristics				
Impedance	50 +/- 2%	50 +/- 2%	50 +/- 2%	50 +/- 2%
Cut Off Frequency (cable only, max)	26.5 GHz	25 GHz	26.5 GHz	25 GHz
Capacitance	24 pF/ft.	25 pF/ft.	24 pF/ft.	25 pF/ft.
Velocity of Propagation	83%	83%	83%	83%
Time Delay	1.22ns/ft.	1.22ns/ft.	1.22ns/ft.	1.22ns/ft.
Shielding Effectiveness up to 18GHz	>90 dB	>90 dB	>90 dB	>90 dB
Power Handling	See Chart	See Chart	See Chart	See Chart

Mechanical Characteristics:				
Weight	0.77 oz/ft (72g/m)	0.77 oz/ft (72g/m)	1.6 oz/ft (148g/m)	1.6 oz/ft (148g/m)
Minimum Bend Radius inches (mm)	0.750" (19mm)	0.750" (19mm)	0.625" (16mm)	0.625" (16mm)

Environmental Characteristics:				
Operating Temperature Range ¹	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C	-65°C to +165°C
RoHS (2002/95/EC)	Available on request	Available on request	Available on request	Available on request

¹+200°C available on request

VSWR for assemblies with two straight connectors	1.35:1 to 18 GHz	1.35:1 to 18 GHz	1.35:1 to 18 GHz	1.35:1 to 18 GHz
VSWR for assemblies with one straight and one right angle connector	1.40:1 to 18 GHz	1.40:1 to 18 GHz	1.40:1 to 18 GHz	1.40:1 to 18 GHz
VSWR for assemblies with two right angle connectors	1.45:1 to 18 GHz	1.45:1 to 18 GHz	1.45:1 to 18 GHz	1.45:1 to 18 GHz
VSWR for assemblies with two straight 3.5mm connectors	1.35:1 to 26.5 GHz	1.35:1 to 26.5 GHz	1.35:1 to 26.5 GHz	1.35:1 to 26.5 GHz

230 Series

Insertion Loss

GHz	2301/2303			2306/2308		
	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level	dB/ft.	dB/m	Power(W) @ 20°C @ Sea Level
0.04	0.038	0.125	1300	0.043	0.140	1161
1	0.061	0.200	1100	0.068	0.220	982
2	0.087	0.285	800	0.097	0.320	714
4	0.125	0.410	520	0.14	0.460	464
6	0.155	0.508	450	0.173	0.570	402
8	0.18	0.590	380	0.202	0.660	339
10	0.203	0.666	350	0.228	0.750	313
12	0.224	0.735	310	0.251	0.820	277
14	0.244	0.800	300	0.273	0.900	268
16	0.263	0.863	280	0.294	0.960	250
18	0.28	0.918	270	0.314	1.030	241
20	0.297	0.974	250	0.332	1.09	223
22	0.313	1.027	230	0.351	1.15	205
24	0.329	1.079	220	0.368	1.21	196
25	0.336	1.102	215	0.377	1.24	188
26.5	0.347	1.138	210	N/A	N/A	N/A

