



### Technical specifications of coaxial cable assemblies

Sl. no	Category	Operating frequency range	Impedance	Outer jacket diameter	Static bending radius	Center conductor	Attenuation/ Insertion loss (dB/meter)	Power handling capability (watts)	VSWR	Shielding & Screening effectiveness (dB)	Test data report for Insertion loss and VSWR	Connector type at cable ends	Length of cable assembly in meters	Qty (Nos)
<b>Cable Type A</b>														
1	Flexible and low loss cable assemblies	Up to 6 GHz	50 ohms	5±0.5 mm	15mm or better	Solid	≤0.5 at 1 GHz ≤1.1 at 6 GHz	≥140 at 1 GHz	≤1.3	Double Shield ≥90 dB	Required	N (Male)-N(Male)	10	2
2												N (Male)-N(Male)	6	2
3												N (Male)-N(Male)	4	8
4												N (Male)-N(Male)	3	2
5												N (Male)-N(Male)	1	2
<b>Cable Type B</b>														
6	Flexible and low loss cable assemblies	Up to 6 GHz	50 ohms	6±0.5 mm	25mm or better	Solid	≤0.4 at 1 GHz ≤0.8 at 6 GHz	≥240 at 1 GHz	≤1.3	Double Shield ≥90 dB	Required	N (Male)-N(Male)	10	2
7												N (Male)-N(Male)	7	2
8												N (Male)-N(Male)	6	2
9												N (Male)-N(Male)	4	4
10												N (Male)-N(Male)	3	4
11												N (Male)-N(Male)	2	10
12												N (Male)-N(Male)	1	8
13												N (Male)-N(Male)	0.5	4

**Cable Type C**

14	Flexible and low loss cable assemblies	Up to 6 GHz	50 ohms	10±0.5 mm	30mm or better	Solid	≤0.25 at 1 GHz ≤0.45 at 6 GHz	≥450 at 1 GHz	≤1.3	Double Shield ≥90 dB	Required	N (Male)-N(Male)	2	2
15												N (Male)-N(Male)	1	2

**Cable Type D**

16	Ultra low loss cable assemblies	Up to 18 GHz	50 ohms	8±1 mm	40mm or better	Solid	≤0.25 at 1 GHz ≤0.85 at 18 GHz	≥1500 at 1 GHz ≥350 at 18 GHz	≤1.3	Double Shield ≥90 dB	Required	N (Male)-N(Male)	6	6
17												N (Male)-N(Male)	4	4
18												N (Male)-N(Male)	3	4
19												N (Male)-SMA(Male)	2	2
20												N (Male)-N(Male)	1	2

**Cable Type E**

21	Ultra low loss cable assemblies	Up to 18 GHz	50 ohms	5±1 mm	30mm or better	Solid	≤0.35 at 1 GHz ≤1.4 at 18 GHz	≥400 at 1 GHz ≥100 at 18 GHz	≤1.3	Double Shield ≥90 dB	Required	N (Male)-N(Male)	2	2
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**Cable Type F**

22	Standard RG Series cable assemblies	Up to 4 GHz	50 ohms	RG 223							Required	N (Male)-BNC(Male)	1	4
23				N (Male)-BNC(Male)	0.5	4								