



RF Corrugated Coax Cable

Good quality & Good service based on reasonable prices.

- + OEM customized production according to your requirements.
- + Standardized products and services according to our own brand.



1/4" Super Flexible RF Coaxial Cable

Construction Parameters:

Inner Conductor	1.90±0.05mm Copper Clad Aluminum Wire
Insulation	4.70±0.20mm Foamed PE
Outer Conductor	6.35±0.15mm Annular Corrugated Copper Tube
Jacket	7.50±0.20mm PE, Black
Jacket Thickness	>0.60mm
Application	

Electrical Characteristics:

Capacitance	80 pF/m
Impedance	50 Ω
Velocity of Propagation	0.83
Peak Power Rating	6.4 KW
Peak Voltage	0.80 KV
Insulation Resistance	>5000 MΩ .km
Insulation Voltage	2.0 KV
Inner Conductor DC Resistance	9.50 Ω /km
Outer Conductor DC Resistance	5.70 Ω /km
VSWR	
800MHz-1000MHz	1.1
1700MHz-2500MHz	1.1
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	12.5 mm
Bending Radius (Repeated Bend)	25 mm
Operating Temp Range	-55 to +85 °C
Cable Dimensions	7.50±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	5.60	1.23
200	8.00	0.86
450	12.20	0.57
800	16.70	0.42
900	17.50	0.39
1000	18.60	0.37
1500	23.40	0.30
1800	25.70	0.27
2000	26.90	0.26
3000	33.50	0.21



1/4" RF Coaxial Cable

Construction Parameters:

Inner Conductor	2.40±0.05mm Copper Clad Aluminum Wire
Insulation	6.50±0.20mm Foamed PE
Outer Conductor	7.50±0.15mm Annular Corrugated Copper Tube
Jacket	9.10±0.20mm PE, Black
Jacket Thickness	> 0.60mm
Marking	HELLOSIGNAL 1/4" RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	11.0 KW
Peak Voltage	0.83 KV
Insulation Resistance	>5000 MΩ .km
Insulation Voltage	2.2 KV
Inner Conductor DC Resistance	5.50 Ω /km
Outer Conductor DC Resistance	3.70 Ω /km
VSWR ≤	
800MHz-1000MHz	1.10
1700MHz-2500MHz	1.13
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	38 mm
Bending Radius (Repeated Bend)	76 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	9.10±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	4.25	1.87
200	6.10	1.30
450	9.37	0.85
800	12.72	0.62
900	13.55	0.58
1000	14.35	0.55
1500	17.80	0.44
1800	19.70	0.40
2000	20.80	0.37
2400	23.00	0.34
3000	26.10	0.30



3/8" Super Flexible RF Coaxial Cable

Construction Parameters:

Inner Conductor	2.60±0.05mm Copper Clad Aluminum Wire
Insulation	6.70±0.20mm Foamed PE
Outer Conductor	9.10±0.15mm Helical Corrugated Copper Tube
Jacket	10.20±0.20mm PE, Black
Jacket Thickness	> 0.80mm
Marking	HELLOSIGNAL 3/8" Super Flexible RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	80 pF/m
Impedance	50 Ω
Velocity of Propagation	83%
Peak Power Rating	12.0 KW
Peak Voltage	1.04 KV
Insulation Resistance	>5000 M Ω .km
Insulation Voltage	2.5 KV
Inner Conductor DC Resistance	5.00 Ω /km
Outer Conductor DC Resistance	3.50 Ω /km
VSWR ≤	
800MHz-1000MHz	1.10
1700MHz-2500MHz	1.13
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	12.5 mm
Bending Radius (Repeated Bend)	25 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	10.20±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	4.18	1.90
200	5.96	1.30
450	9.14	0.87
800	12.32	0.64
900	13.15	0.60
1000	13.85	0.57
1500	17.35	0.45
1800	19.20	0.41
2000	20.30	0.39
2400	22.50	0.36
3000	25.20	0.31



3/8" RF Coaxial Cable

Construction Parameters:

Inner Conductor	3.30±0.05mm Copper Clad Aluminum Wire
Insulation	8.30±0.20mm Foamed PE
Outer Conductor	9.60±0.15mm Annular Corrugated Copper Tube
Jacket	11.20±0.20mm PE, Black
Jacket Thickness	> 0.80mm
Marking	HELLOSIGNAL 3/8" RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	15.6 KW
Peak Voltage	1.05 KV
Insulation Resistance	>5000 MΩ.km
Insulation Voltage	2.5 KV
Inner Conductor DC Resistance	3.10 Ω/km
Outer Conductor DC Resistance	2.80 Ω/km
VSWR ≤	
800MHz-1000MHz	1.10
1700MHz-2500MHz	1.13
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	40 mm
Bending Radius (Repeated Bend)	95 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	11.20±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	3.12	2.23
200	4.45	1.56
450	6.79	1.02
800	9.20	0.75
900	9.80	0.71
1000	10.37	0.67
1500	12.90	0.53
1800	14.25	0.48
2000	15.10	0.46
2400	16.70	0.42
3000	18.90	0.37



1/2" Super Flexible RF Coaxial Cable

Construction Parameters:

Inner Conductor	3.60±0.05mm Copper Clad Aluminum Wire
Insulation	9.00±0.20mm Foamed PE
Outer Conductor	12.00±0.15mm Helical Corrugated Copper Tube
Jacket	13.40±0.20mm PE, Black
Jacket Thickness	> 0.60mm
Marking	HELLOSIGNAL 1/2" Super Flexible RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	80 pF/m
Impedance	50 Ω
Velocity of Propagation	81%
Peak Power Rating	19 KW
Peak Voltage	1.13 KV
Insulation Resistance	>5000 MΩ .km
Insulation Voltage	2.5 KV
Inner Conductor DC Resistance	2.85 Ω /km
Outer Conductor DC Resistance	3.50 Ω /km
VSWR ≤	
300MHz-1000MHz	1.10
1700MHz-2500MHz	1.13
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	50 mm
Bending Radius (Repeated Bend)	125 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	13.40±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	3.22	3.03
200	4.65	2.11
450	7.20	1.37
800	9.86	1.00
900	10.56	0.94
1000	11.15	0.88
1500	13.80	0.70
1800	15.55	0.63
2000	16.40	0.59
2400	18.10	0.53
3000	20.90	0.48



1/2" RF Coaxial Cable

Construction Parameters:

Inner Conductor	4.80±0.05mm Copper Clad Aluminum Wire
Insulation	12.00±0.20mm Foamed PE
Outer Conductor	13.90±0.15mm Annular Corrugated Copper Tube
Jacket	15.70±0.20mm PE, Black
Jacket Thickness	> 0.80mm
Marking	HELLOSIGNAL 1/2" RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	40 KW
Peak Voltage	1.6 KV
Insulation Resistance	>5000 MΩ.km
Insulation Voltage	6.0 KV
Inner Conductor DC Resistance	1.48 Ω /km
Outer Conductor DC Resistance	1.90 Ω /km
VSWR ≤	
800MHz-1000MHz	1.10
1700MHz-2500MHz	1.13
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	50 mm
Bending Radius (Repeated Bend)	125 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	15.70±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	2.15	3.94
200	3.08	2.75
450	4.70	1.80
800	6.35	1.33
900	6.75	1.25
1500	9.05	0.95
1800	9.90	0.86
2000	10.50	0.81
2400	11.60	0.75
3000	13.20	0.65



1/2" AL RF Coaxial Cable

Construction Parameters:

Inner Conductor	4.80±0.05mm Copper Clad Aluminum Wire
Insulation	12.00±0.20mm Foamed PE
Outer Conductor	13.90±0.15mm Annular Corrugated Aluminum Tube
Jacket	15.70±0.20mm PE, Black
Jacket Thickness	> 0.80mm
Marking	HELLOSIGNAL 1/2" AL RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	40 KW
Peak Voltage	1.6 KV
Insulation Resistance	>5000 M Ω .km
Insulation Voltage	6.0 KV
Inner Conductor DC Resistance	1.62 Ω /km
Outer Conductor DC Resistance	3.70 Ω /km
VSWR ≤	
800MHz-1000MHz	1.10
1700MHz-2500MHz	1.13
2500MHz-3000MHz	1.15



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	80 mm
Bending Radius (Repeated Bend)	125 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	15.70±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	2.15	3.94
200	3.08	2.75
450	4.70	1.80
800	6.35	1.33
900	6.75	1.25
1500	9.05	0.95
1800	9.90	0.86
2000	10.50	0.81
2400	11.60	0.75
3000	13.20	0.65



7/8" RF Coaxial Cable

Construction Parameters:

Inner Conductor	9.00±0.10mm Smooth Copper Tube
Insulation	22.40±0.20mm Foamed PE
Outer Conductor	25.00±0.20mm Annular Corrugated Copper Tube
Jacket	27.50±0.20mm PE, Black
Jacket Thickness	> 1.10mm
Marking	HELLOSIGNAL 7-8" RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	90 KW
Peak Voltage	3.2 KV
Insulation Resistance	>10000 MΩ.km
Insulation Voltage	10.0 KV
Inner Conductor DC Resistance	1.00 Ω/km
Outer Conductor DC Resistance	1.20 Ω/km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2500MHz	1.15
2500MHz-3000MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	90 mm
Bending Radius (Repeated Bend)	250 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	27.50±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	1.17	8.62
200	1.69	5.99
450	2.60	3.88
800	3.56	2.83
900	3.80	2.65
1000	4.03	2.50
1500	5.08	1.99
1800	5.61	1.79
2000	6.05	1.68
2400	6.75	1.54
3000	7.60	1.33



7/8" Low Loss RF Coaxial Cable

Construction Parameters:

Inner Conductor	9.45±0.10mm Smooth Copper Tube
Insulation	22.50±0.20mm Foamed PE
Outer Conductor	25.40±0.20mm Annular Corrugated Copper Tube
Jacket	27.50±0.20mm PE, Black
Jacket Thickness	> 1.10mm
Marking	HELLOSIGNAL 7-8" LOW LOSS RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	90 KW
Peak Voltage	3.2 KV
Insulation Resistance	>10000 MΩ.km
Insulation Voltage	10.0 KV
Inner Conductor DC Resistance	1.00 Ω/km
Outer Conductor DC Resistance	1.20 Ω/km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2500MHz	1.15
2500MHz-3000MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	90 mm
Bending Radius (Repeated Bend)	250 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	27.50±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
100	1.17	8.62
200	1.69	5.99
450	2.60	3.88
800	3.56	2.83
900	3.80	2.65
1000	4.03	2.50
1500	5.08	1.99
1800	5.61	1.79
2000	6.05	1.68
2400	6.75	1.54
3000	7.60	1.33



7/8"AL RF Coaxial Cable

Construction Parameters:

Inner Conductor	9.00±0.10mm Smooth Copper Tube
Insulation	22.40±0.20mm Foamed PE
Outer Conductor	25.00±0.20mm Annular Corrugated Aluminum Tube
Jacket	27.50±0.20mm PE, Black
Jacket Thickness	> 1.10mm
Marking	HELLOSIGNAL 7-8" AL RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	90 KW
Peak Voltage	3.2 KV
Insulation Resistance	>10000 MΩ .km
Insulation Voltage	10.0 KV
Inner Conductor DC Resistance	1.90 Ω /km
Outer Conductor DC Resistance	1.60 Ω /km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2500MHz	1.15
2500MHz-3000MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	120 mm
Bending Radius (Repeated Bend)	250 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	27.50±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
200	1.75	4.83
450	2.71	2.88
800	3.68	2.09
900	3.89	1.98
1000	4.16	1.92
1500	5.19	1.55
1800	5.83	1.35
2000	6.09	1.30
2200	6.47	1.26
2500	6.89	1.20
3000	7.75	1.08



7/8"AL Low Loss RF Coaxial Cable

Construction Parameters:

Inner Conductor	9.45±0.10mm Smooth Copper Tube
Insulation	22.50±0.20mm Foamed PE
Outer Conductor	25.40±0.20mm Annular Corrugated Copper Tube
Jacket	27.50±0.20mm PE, Black
Jacket Thickness	> 1.10mm
Marking	HELLOSIGNAL 7-8" AL LOW LOSS RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	90 KW
Peak Voltage	3.2 KV
Insulation Resistance	>10000 MΩ.km
Insulation Voltage	10.0 KV
Inner Conductor DC Resistance	1.90 Ω/km
Outer Conductor DC Resistance	1.60 Ω/km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2200MHz	1.15
2500MHz-3000MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	120 mm
Bending Radius (Repeated Bend)	250 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	27.50±0.20mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
200	1.62	4.83
450	2.85	2.88
800	3.93	2.09
900	4.15	1.98
1000	4.50	1.92
1500	5.58	1.55
1800	6.17	1.35
2000	6.52	1.30
2200	6.85	1.26
2500	7.43	1.20
3000	8.25	1.08



1 1/4" RF Coaxial Cable

Construction Parameters:

Inner Conductor	13.10±0.10mm Smooth Copper Tube
Insulation	32.30±0.25mm Foamed PE
Outer Conductor	35.80±0.25mm Annular Corrugated Copper Tube
Jacket	38.80±0.30mm PE, Black
Jacket Thickness	> 1.20mm
Marking	HELLOSIGNAL 1 1/4" RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	205 KW
Peak Voltage	4.3 KV
Insulation Resistance	>10000 MΩ .km
Insulation Voltage	10.0 KV
Inner Conductor DC Resistance	1.12 Ω /km
Outer Conductor DC Resistance	0.95 Ω /km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2500MHz	1.15
2500MHz-3000MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	150 mm
Bending Radius (Repeated Bend)	380 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	38.80±0.30mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
200	1.19	8.81
450	1.92	5.41
800	2.67	3.91
900	2.86	3.72
1000	3.04	3.51
1500	4.20	2.85
1800	4.28	2.41
2000	4.48	2.33
2200	4.76	2.21
2500	5.15	2.03
2700	5.73	1.74



1 1/4" AL RF Coaxial Cable

Construction Parameters:

Inner Conductor	13.10±0.10mm Smooth Copper Tube
Insulation	32.30±0.25mm Foamed PE
Outer Conductor	35.80±0.25mm Annular Corrugated Aluminum Tube
Jacket	38.80±0.30mm PE, Black
Jacket Thickness	> 1.20mm
Marking	HELLOSIGNAL 1 1/4" AL RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	205 KW
Peak Voltage	4.3 KV
Insulation Resistance	>10000 MΩ .km
Insulation Voltage	10.0 KV
Inner Conductor DC Resistance	1.12 Ω /km
Outer Conductor DC Resistance	1.00 Ω /km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2500MHz	1.15
2500MHz-2700MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	150 mm
Bending Radius (Repeated Bend)	380 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	38.80±0.30mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power (KW)
200	1.34	8.81
450	2.09	5.40
800	3.17	3.91
900	3.25	3.72
1000	3.42	3.51
1500	4.11	3.05
1800	4.83	2.42
2000	4.90	2.30
2200	5.47	2.20
2500	5.82	2.03
2700	6.38	1.88



1 5/8" RF Coaxial Cable

Construction Parameters:

Inner Conductor	17.30±0.15mm Corrugated Copper Tube
Insulation	42.50±0.30mm Foamed PE
Outer Conductor	46.50±0.20mm Annular Corrugated Copper Tube
Jacket	49.50±0.30mm PE, Black
Jacket Thickness	> 1.30mm
Marking	HELLOSIGNAL 1 5/8" RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	320 KW
Peak Voltage	5.6 KV
Insulation Resistance	>10000 MΩ.km
Insulation Voltage	15.0 KV
Inner Conductor DC Resistance	1.50 Ω/km
Outer Conductor DC Resistance	0.60 Ω/km
VSWR ≤	
800MHz-1000MHz	1.13
1700MHz-2500MHz	1.15
2500MHz-2700MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	200 mm
Bending Radius (Repeated Bend)	510 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	49.50±0.30mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power(KW)
200	1.01	11.60
450	1.57	7.45
800	2.19	5.34
900	2.35	4.97
1000	2.49	4.68
1500	3.21	4.25
1800	3.82	3.26
2000	3.92	3.05
2200	4.06	2.87
2500	4.42	2.64
2700	4.65	2.43



1 5/8" AL RF Coaxial Cable

Construction Parameters:

Inner Conductor	17.30±0.15mm Corrugated Copper Tube
Insulation	42.50±0.30mm Foamed PE
Outer Conductor	46.50±0.20mm Annular Corrugated Aluminum Tube
Jacket	49.50±0.30mm PE, Black
Jacket Thickness	> 1.30mm
Marking	HELLOSIGNAL 1 5/8" AL RF COAXIAL CABLE xxx M

Electrical Characteristics:

Capacitance	76 pF/m
Impedance	50 Ω
Velocity of Propagation	88%
Peak Power Rating	320 KW
Peak Voltage	3.1 KV
Insulation Resistance	>10000 MΩ .km
Insulation Voltage	15.0 KV
Inner Conductor DC Resistance	1.50 Ω /km
Outer Conductor DC Resistance	0.60 Ω /km
VSWR	
800MHz-1000MHz	1.13
1700MHz-2200MHz	1.15
2200MHz-2500MHz	1.20



Mechanical and Environmental Properties:

Bending Radius (Single Bend)	200 mm
Bending Radius (Repeated Bend)	510 mm
Operating Temp Range	-40 to +85 °C
Cable Dimensions	49.50±0.30mm

Attenuation(20 °C):

Frequency (MHZ)	Attenuation (dB/100m)	Average Power(KW)
200	1.05	11.80
450	1.59	7.46
800	2.29	5.33
900	2.39	4.97
1000	2.58	4.69
1500	3.22	4.97
1800	3.73	3.27
2000	3.97	3.05
2200	4.27	2.87
2500	4.62	2.37
2700	5.18	2.17

 GLOBAL MARKET

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