



CROWN ELECTRONICS



2005A INDUSTRIAL BLVD. ROCKWALL, TX 75087 972-771-4711 800-225-3429 (fax) 972-771-9499

SW 240 LOW LOSS CABLE

3/31/09

= to Times Microwave LMR ® series

- High performance – 50 ohm
- UV Resistant PE (Polyethylene)
- Available in Waterproof or Riser Rated
- Manufactured by Coleman Cable
- 100% sweep tested to 5.8 GHz
- 500' or 1000' spools

240 series specifications

Part# / Design	Cap. (pF/ft)	Imp. (ohms)	Vel. (%)	Shield Effect (dB)	Jkt Spark (VAC)	Cutoff Freq (GHz)	Peak Pwr (kW)	Volt Withstd (VDC)	Inner Cond.		Dielectric		Outer Cond.		Jacket		Atten/Avg Pwr 68°F				
									D.C.R. (/M')	Nom Diam (In)	Nom Diam (In)	D.C.R. (/M')	Nom Diam (In)	Nom Diam (In)	Min Bend Radius	Stor Temp (°F)	Install Temp (°F)	Oper Temp (°F)	Freq (MHz)	Atten (dB/100ft)	Avg Pwr (kW)
Standard Outdoor	24.2	50	84	90	5,000	31	5.6	1,500	3.2	0.056	0.150	3.89	0.178	0.240	0.75	-94 to +185	-40 to +185	-40 to +185	30	1.30	1.49
									Solid Copper		Foam PE/ Bonded Alum. Foil + Tinned		Copper Braid		PE		50	1.70	1.15		
																	150	3.00	0.66		
																	220	3.70	0.54		
																		450	5.30	0.38	

SW240 CONNECTORS

TYPE N CROWN P/N

N (M)	CRN-1850
N (F)	CRN-1865
N (M) 90	CRN-1860
N (F) BLKHD	CRN-1870

TNC CROWN P/N

TNC (M)	CRT-3600
TNC (F) BLKHD	CRT-3102
TNC (F)	CRT-3125

BNC CROWN P/N

BNC (M)	CRB-2240
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UHF CROWN P/N

UHF (M)	CRU-1240
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SMA CROWN P/N

SMA (M)	CRS-6340
SMA (M) 90	CRS-6240
SMA (F)	CRS-6345

7/16 CROWN P/N

7/16 (M)	CRD-2240
7/16 (F)	CRD-2245

* All connectors are crimp style

*** FOR A CURRENT QUOTE PLEASE CALL OR E-MAIL: sales@crownelectronics.com



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SW-240

Signa-Wave™ – 240 Series Flexible Communications Cable

1	Conductor Size	15-16 Ga. Approx.
2	Conductor Type	Solid Copper
3	Conductor Diameter	.056"
4	Insulation Type	Foam Polyethylene
5	Insulation Diameter	.150"
6	Shield 1 Size/Type	Bonded Aluminum Foil + Tinned
7	Shield 2 Size/Type	Copper Braid
8	Shield Diameter	.176" NOM
9	Shielding Effectiveness	90 dB
10	Jacket Type	Black Polyethylene or PVC
11	Temperature Range	-40 to +185F
12	Voltage Withstand	1500 VDC (Peak Power – 5.6KW)
13	Jacket Color	Black
14	Jacket Diameter	.240" (Min Bend Radius – 0.75")
15	Impedance (OHMS)	50 OHMS
16	Capacitance (pF/ft.)	24.2 pF/ft
17	Velocity of Propagation	84%
18	DC Resistance	Inner Conductor 3.2 Ohm/1000' Outer Conductor 3.89 Ohm/1000'
19	Cutoff Frequency	31 GHZ

Nominal Attenuation (db/100')

	<u>SW-240</u>	<u>LMR400®</u>	<u>BELDEN 9913</u>	<u>RG-213</u>	<u>RG-214</u>	<u>½" SUPERFLEX</u>
150MHz	3	1.5	1.5 (100)	2.1	1.9	
450MHz	5.3	2.7	2.7 (400)	4.5(400)	4.1	
900MHz	7.6	3.9	4.1	7.6	7.6	3.60(1K)
1500MHz	9.9	5.1	5.4	8.2(1K)	8.0(1K)	
2000MHz	11.5	6.0	6.4	-	-	5.37
2500MHz	12.9	6.8	7.3	21.5(4K)	20.0(4K)	

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