

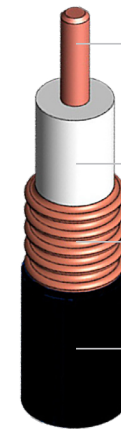
SPO - Cable

- -160 dBc PIM for optimal system performance
- Corrugated copper outer conductor
- Durable black polyethylene outer jacket
- Outdoor



Specifications

	Units	250	375	500
Diameter	in (mm)	0.303 (7.70)	0.435 (11.05)	0.545 (13.84)
Center Conductor	in (mm)	0.075 (1.91)	0.110 (2.79)	0.142 (3.61)
Dielectric	in (mm)	0.177 (4.50)	0.272 (6.91)	0.354 (8.99)
Outer Conductor	in (mm)	0.252 (6.40)	0.378 (9.60)	0.476 (12.09)
Min Bend Radius	in (mm)	1.250 (31.75)	1.750 (44.45)	2.250 (57.15)
Weight	lb/1000 ft (kg/1000 m)	51.0 (75.9)	100.0 (148.8)	135.0 (200.9)
Velocity of Propagation	%	83	83	83
Capacitance	pF/ft (pF/m)	24.5 (80.4)	24.5 (80.4)	24.5 (80.4)
Shielding	dB	>100	>100	>100



CENTER CONDUCTOR

250 Bare Copper
375 Bare Copper Clad Alum
500 Bare Copper Clad Alum

DIELECTRIC

Foamed PE

OUTER CONDUCTOR

Corrugated Copper
Tube

JACKET

Black PE



Impedance
50 Ohms



Op Temp
-40 to 185°F
-40 to 85°C

Attenuation - dB/100ft (dB/100m)

	250	375	500
450	4.07 (13.35)	2.85 (9.35)	2.30 (7.55)
600	4.75 (15.58)	3.34 (10.96)	2.70 (8.86)
900	5.91 (19.39)	4.18 (13.71)	3.40 (11.16)
1900	8.92 (29.27)	6.42 (21.06)	5.27 (17.29)
2100	9.44 (30.97)	6.80 (22.31)	5.60 (18.37)
2500	10.41 (34.16)	7.54 (24.74)	6.23 (20.44)
3500	12.63 (41.44)	9.23 (30.28)	7.68 (25.20)
4900	15.37 (50.43)	11.36 (37.27)	9.52 (31.24)
5800	16.99 (55.74)	12.62 (41.41)	10.63 (34.88)

Frequency in MHz

Maximum Power - (W)

	250	375	500
450	580	1140	1636
600	497	975	1396
900	400	781	1108
1900	266	511	719
2100	251	482	677
2500	228	436	610
3500	188	357	496
4900	155	291	401
5800	140	262	360

Frequency in MHz

How to order

SPO250 - CODE CODE - 10.0 F
 [] [] [] [] []
 Cable Size - Connector A Connector B - Length / 3 dig F = feet
 M = meters
 I = inches

USE CODES FROM THE CHART BELOW.

Code	Description	Weather Boot - WPB (Y/N) See page 13 for details
225M	2.2/5 Male (plug)	N
41F	4.1/9.5 mini DIN Female	N
41M	4.1/9.5 mini DIN Male	Y
43F	4.3/10 Female (jack)	N
43FB	4.3/10 Female (jack) bulkhead	N
43M	4.3/10 Male (plug)	Y
43MR	4.3/10 Male (plug) right angle	Y
43MS	4.3/10 Male (plug) Snap-on	Y
DF	7/16 DIN Female (jack)	N
DM	7/16 DIN Male (plug)	Y
DMR	7/16 DIN Male (plug) right angle	Y
NFB	N-Female (jack) bulkhead	N
NF	N-Female (jack)	N
NM	N-Male (plug)	Y
NMR	N-Male (plug) right angle	Y
NXFB	Nex10 Female (jack)bulkhead	N
NXM	Nex10 Male (plug)	Y
NXMS	Nex10 Male (plug) Snap-on	Y
NXMR	Nex10 Male (plug) right angle	N
QM	QMA-Male (plug)	N
QMR	QMA-Male (plug) right angle	N
SM	SMA-Male (plug)	N
SMR	SMA-Male (plug) right angle	N