



### Selsor Part Numbers – J4011, J4111, J4211

### Applications

75 Ohm coaxial cable suitable for broadcast transmission including CATV, SMATV and CCTV.

### Standards

IEC 61196, (BS) EN 50117, (BS) EN 50290-2, RoHS Directives

### Warranty

2 year Selsor product warranty.

### Technical Overview

<p><b>Family</b> RG Coaxial Cable</p>	<p><b>2. Dielectric</b> Foamed Polyethylene</p>	<p><b>5. Sheath Material</b> Polyvinyl Chloride (PVC)</p>
<p><b>Operating Temperature</b> -25°C to +75 °C</p>	<p><b>3. Screen</b> Bonded Aluminium/ Polyester Foil 100% coverage</p>	<p><b>Sheath Colour</b> Grey as standard</p>
<p><b>Design</b> <b>1. Conductor</b> Solid Copper Clad Steel (CCS)</p>	<p><b>4. Braid</b> Aluminium</p>	<p><b>Standard Put Up Length (m)</b> 305 or 500 metres</p>
		<p><b>Packaging Details</b> Reel as standard</p>

### Physical Characteristics

Selsor Part Number	Type	Nom. Diameter Conductor (mm)	Nom. Diameter Dielectric (mm)	Nom. Overall Diameter (mm)	Braid Coverage (%)	Max. Recommended Pulling Tension (N)	Min. Bend Radius Install (mm)	Nom. Cable Weight
J4011	RG59	0.81	3.71	6.0	54	350	60	32.42
J4111	RG6	1.02	4.60	6.8	60	560	68	41.32
J4211	RG11	1.63	7.11	10.0	61	1157	100	86.6

## Electrical Characteristics (at 20°C)

Sensor Part Number	Type	Impedance ( $\Omega$ )	Max. DC Resistance Conductor ( $\Omega/\text{km}$ )	Max. DC Resistance Screen ( $\Omega/\text{km}$ )	Nom. Capacitance (pF/m)	Nom. Inductance ( $\mu\text{H}/\text{m}$ )	Velocity of Propagation (%)	Nom. Time Delay (ns/m)
J4011	RG59	75 $\pm$ 3	146.5	52	53	0.32	83	3.94
J4111	RG6	75 $\pm$ 3	92.2	30	53	0.32	83	3.94
J4211	RG11	75 $\pm$ 3	36.5	25	53	0.32	83	3.94

## Electrical Characteristics Continued (at 20°C)

Sensor Part Number	Type	Min. Return Loss 1 to 1000 MHz	Min. Return Loss 1000 to 2000 MHz	Min. Return Loss 2000 to 3000 MHz
J4011	RG59	20	18	16
J4111	RG6	20	20	20
J4211	RG11	20	20	20

## Nominal Attenuation in dB/100m

Sensor Part Number	Type	MHz												
		5	10	50	100	200	400	550	870	1250	1750	2150	2500	3000
J4011	RG59	2.92	3.45	5.4	8.21	12.56	16.01	19.36	24.74	30.62	36.71	40.82	44.72	48.64
J4111	RG6	2.2	2.48	5.15	6.6	9.56	13.12	15.45	19.69	24.25	29.26	32.88	35.88	39.83
J4211	RG11	1.25	2.03	3.75	5.01	6.85	7.05	9.65	12.6	16.66	20.28	22.93	25.12	28.08