

M17 /RG Coaxial Cables

RG Type 75Ohm

RG 6

RG 6/U

RG 6/U4

RG 6/U6

RG 6 Quad Shield

RG 6 CS

RG 11

RG 11 PC

RG 11 PC1

RG 11 URM(URM 57)

RG 59 CS

RG 59 CS1

RG 59 PC

RG 59 PC1

RG 175 PC

RG Type 75 Ohm Coaxial Cables

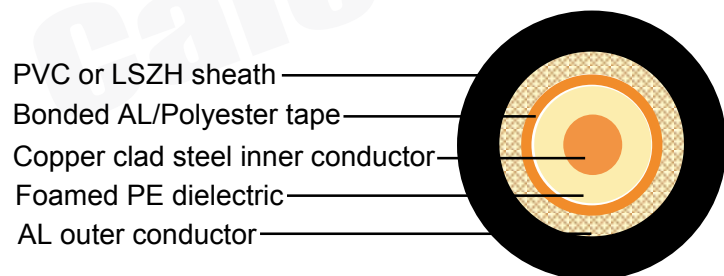
RG 6

Construction

Inner conductor	Copper clad steel (CCS)	Φ1.02 mm
Dielectric	Foam PE	Φ4.57 ± 0.20 mm
Tape shield(shield 1)	Bonded Aluminium/Polyester	
Shield coverage		100%
Outer conductor(shield 2)	Aluminium	96 x 0.12 mm
Shield coverage		82%
Sheath	PVC or LSZH	Φ6.91 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	54 pF/m
Velocity of propagation	83%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	21.7 Ohm/Km
Outer conductor resistance	24.1 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	45 Kg/Km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	5.0	1.5
100	6.7	2.0
200	9.5	2.9
400	14.1	4.2
700	19.9	6.0
900	23.2	7.0
1000	24.8	7.5
1350	29.9	9.0
1750	35.1	10.5
2150	37.9	11.4
2500	39.0	11.7

RG Type 75 Ohm Coaxial Cables

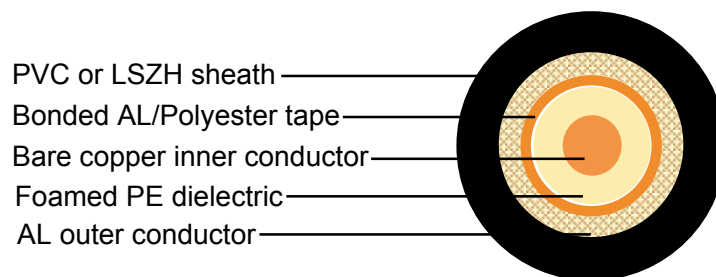
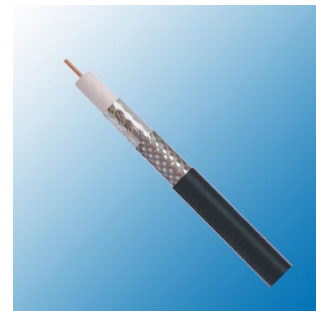
RG 6/U

Construction

Inner conductor	Bare copper	Φ1.02 mm
Dielectric	Foam PE	Φ4.57 ± 0.20 mm
Tape shield(shield 1)	Aluminium foil	
Shield coverage		100%
Outer conductor(shield 2)	Aluminium	96 x 0.12 mm
Shield coverage		70%
Sheath	PVC or LSZH	Φ7.00 ± 0.20 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	54 pF/m
Velocity of propagation	82%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	23.1 Ohm/Km
Outer conductor resistance	31Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	43 Kg/Km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	5.0	1.5
100	6.4	1.96
200	9.2	2.8
500	14.5	4.4
600	15.9	4.9
800	17.7	5.4
1000	21.9	6.7
1350	24.9	7.6
1750	29.0	8.8
2050	33.1	10.1
2400	36.4	11.1

RG Type 75 Ohm Coaxial Cables

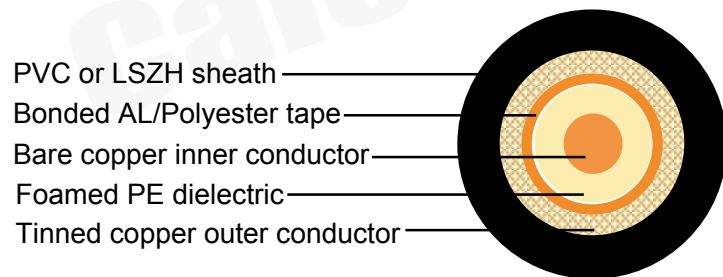
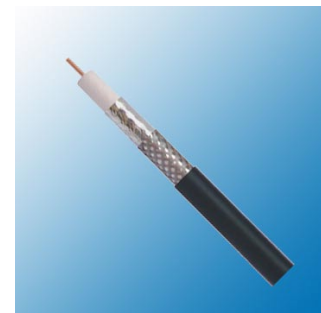
RG 6/U4

Construction

Inner conductor	Bare copper	Φ1.02 mm
Dielectric	Foam PE	Φ4.60 ± 0.20 mm
Tape shield(shield 1)	Aluminium foil	
Shield coverage		100%
Outer conductor(shield 2)	Tinned copper	64 x 0.12 mm
Shield coverage		60%
Sheath	PVC or LSZH	Φ6.80 ± 0.20 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	53 pF/m
Velocity of propagation	83%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	23.1 Ohm/Km
Outer conductor resistance	28Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	46 Kg/Km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	4.5	1.4
100	6.2	1.9
200	8.9	2.7
500	15.1	4.6
600	16.8	5.1
800	19.0	5.8
1000	21.5	6.6
1350	24.9	7.6
1750	28.3	8.6
2150	31.1	9.5
2400	33.3	10.1

RG Type 75 Ohm Coaxial Cables

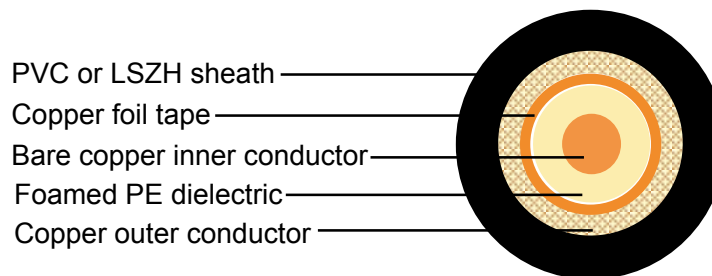
RG 6/U6

Construction

Inner conductor	Bare copper	Φ1.02 mm
Dielectric	Foam PE	Φ4.60 ± 0.20 mm
Tape shield(shield 1)	Copper foil	
Shield coverage		100%
Outer conductor(shield 2)	Copper	64 x 0.12 mm
Shield coverage		60%
Sheath	PVC or LSZH	Φ6.80 ± 0.20 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	54 pF/m
Velocity of propagation	83%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	21.7 Ohm/Km
Outer conductor resistance	24.1 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	50 Kg/Km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	4.4	1.3
100	6.1	1.9
200	9.2	2.8
500	14.8	4.5
600	16.0	4.9
800	19.0	5.8
1000	20.5	6.2
1350	23.7	7.2
1750	27.1	8.3
2150	29.9	9.1
2400	31.7	9.7



RG Type 75 Ohm Coaxial Cables

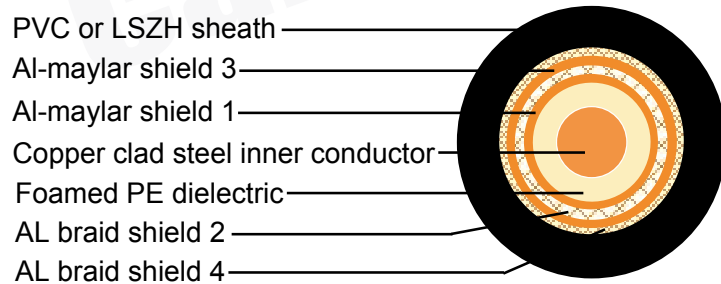
RG 6 Quad Shield

Construction

Inner conductor	Copper clad steel(CCS)	Φ1.02 mm
Dielectric	Foam PE	Φ4.60 ± 0.20 mm
Tape shield(shield 1)	Al-maylar	≥25%
Braid shield(shield 2)	Aluminium	80 x 0.12mm
Shield coverage		≥60%
Tape shield(shield 3)	Al-maylar	≥25%
Braid shieldr(shield 4)	Aluminium	64 x 0.12 mm
Shield coverage		≥40%
Sheath	PVC or LSZH	Φ7.55 ± 0.20 mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	54 pF/m
Velocity of propagation	82%
Insulation resistance	>5000 Mohm.Km
Conductor resistance	≤ 24.1 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	59.8 Kg/Km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	4.8	1.5
100	6.7	2.0
200	9.3	2.8
500	15.0	4.6
600	16.9	5.1
800	19.4	5.9
1000	21.6	6.6
1350	24.2	7.4
1750	28.0	8.4
2150	31.5	9.6
2400	32.8	10.0
3000	37.9	11.5

RG Type 75 Ohm Coaxial Cables

RG 6 CS

Construction

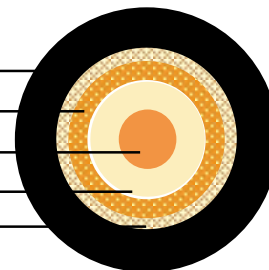
Inner conductor	Copper clad steel(CCS)	0.72 mm
Dielectric	Low density PE	$\Phi 4.70 \pm 0.10$ mm
Outer conductor(shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage		97%
Outer conductor(shield 2)	Plain copper	168 x 0.13 mm
Shield coverage		95%
Sheath	PVC or LSZH	$\Phi 8.50 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	106 Ohm/Km
Outer conductor resistance	5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	50.5 Kg/Km
Cable weight (approx.)	112.4 Kg/Km
Screening effectiveness	>70 dB



PVC or LSZH sheath
 Silvered copper shield 1
 Copper clad steel inner conductor
 Low density PE dielectric
 Plain copper shield 2



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 m)
50	5.8	1.77
100	8.5	2.59
200	12.5	3.81
400	18.0	5.49
500	20.3	6.19
600	22.6	6.89
860	27.5	8.38
1000	30.4	9.27

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>22dB

RG Type 75 Ohm Coaxial Cables

RG 11

Construction

Inner conductor	Copper clad steel(CCS)	1.63 mm
Dielectric	Low density PE	$\Phi 7.2 \pm 0.2$ mm
Tape shield	Aluminum foil	100%
Outer conductor (shield)	Aluminum wire	96 x 0.12 mm
Shield coverage		60%
Sheath	PVC or LSZH	$\Phi 10.3 \pm 0.18$ mm
Messenger(optional)	Galvanized steel	1.83mm / 2.77mm

* Tri-shield and Quad-shield are both optional ,so is the messenger

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	53 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	13.5 Ohm/Km
Outer conductor resistance	24.1 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Cable weight (approx.)	116.4 -140.4Kg/Km

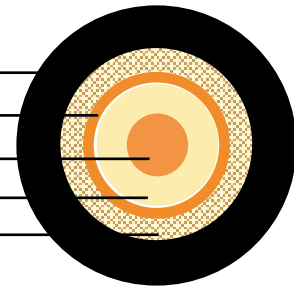
Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	3.1	0.95
100	4.2	1.28
250	6.8	2.07
300	7.5	2.29
350	7.9	2.41
400	8.5	2.59
450	9.1	2.77
500	9.5	2.90
550	10.1	3.08
600	10.5	3.20
750	12.1	3.69
860	13.2	4.02
1000	14.3	4.36
1450	18.6	5.67
2050	23.0	7.01

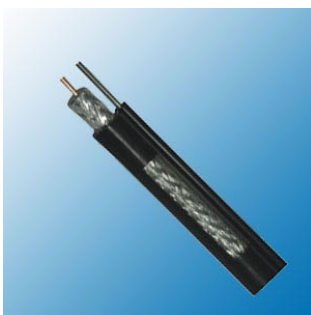
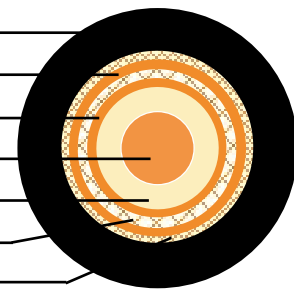
RG Type 75 Ohm Coaxial Cables



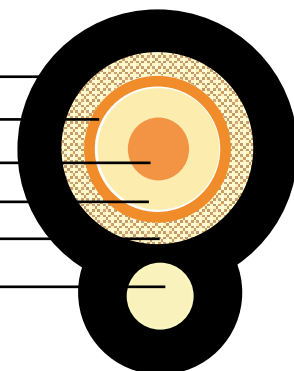
- PVC or LSZH sheath
- AL foil shield
- Copper clad steel inner conductor
- Foamed PE dielectric
- Tinned copper outer conductor



- PVC or LSZH sheath
- Al foil shield 3
- Al foil shield 1
- Copper clad steel inner conductor
- Low density PE dielectric
- AL braid shield 2
- AL braid shield 4



- PVC or LSZH sheath
- AL foil shield
- Copper clad steel inner conductor
- Foamed PE dielectric
- Tinned copper outer conductor
- Galvanized steel messenger



RG Type 75 Ohm Coaxial Cables

RG 11 PC

Construction

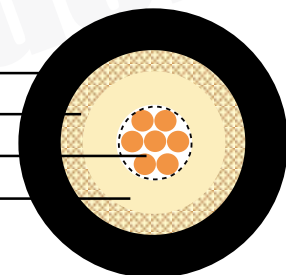
Inner conductor	Plain copper	7 x 0.40 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor (shield)	Plain copper	112 x 0.15 mm
Shield coverage		64%
Sheath	PVC or LSZH	$\Phi 10.3 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	10 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	27.8 Kg/Km
Cable weight (approx.)	118.2 Kg/Km
Screening effectiveness	>45 dB



PVC or LSZH sheath
 Plain copper outer conductor
 Plain copper inner conductor
 Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	4.4	1.34
100	6.4	1.95
200	9.7	2.96
400	14.3	4.36
500	16.1	4.91
600	17.9	5.46
860	22.0	6.71
1000	24.4	7.44

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>25dB

RG Type 75 Ohm Coaxial Cables

RG 11 PC1

Construction

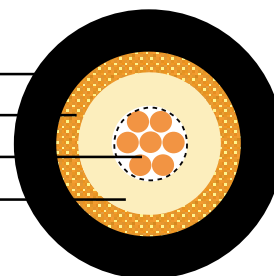
Inner conductor	Plain copper	7 x 0.40 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor (shield)	Plain copper	240 x 0.15 mm
Shield coverage		97%
Sheath	PVC or LSZH	$\Phi 10.3 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	4.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	49.8 Kg/Km
Cable weight (approx.)	140.2 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath
Plain copper outer conductor
Plain copper inner conductor
Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	4.2	1.28
100	6.2	1.89
200	9.2	2.80
400	13.8	4.21
500	15.5	4.73
600	17.1	5.21
860	21.1	6.43
1000	23.4	7.13

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>25dB

RG Type 75 Ohm Coaxial Cables

RG 11URM (URM 57)

Construction

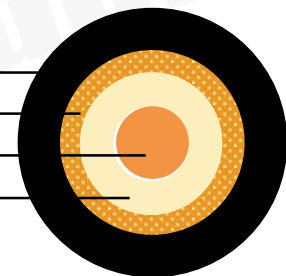
Inner conductor	Plain copper	1.15 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor (shield)	Plain copper	192 x 0.18 mm
Shield coverage		97%
Sheath	PVC or LSZH	$\Phi 10.3 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	16.6 Ohm/Km
Outer conductor resistance	4.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	58.3 Kg/Km
Cable weight (approx.)	146.7 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath
 Plain copper outer conductor
 Plain copper inner conductor
 Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	3.8	1.16
100	5.5	1.68
200	8.2	2.50
400	12.0	3.66
500	13.6	4.15
600	15.0	4.57
860	18.8	5.73
1000	20.7	6.31

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>25dB

RG Type 75 Ohm Coaxial Cables

RG 59 CS

Construction

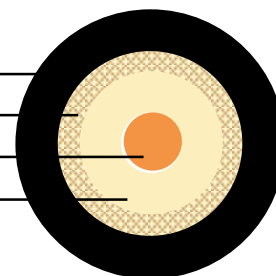
Inner conductor	Copper clad steel(CCS)	0.58 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	120 x 0.10 mm
Shield coverage		77%
Sheath	PVC or LSZH	$\Phi 6.15 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	158 Ohm/Km
Outer conductor resistance	19.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	11.1 Kg/Km
Cable weight (approx.)	45.7 Kg/Km
Screening effectiveness	>50 dB



PVC or LSZH sheath
 Plain copper shield
 Plain copper inner conductor
 Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.6	2.32
100	11.1	3.38
200	16.2	4.94
400	23.2	7.07
500	26.2	7.99
600	29.3	8.93
860	35.5	10.82
1000	38.7	11.80

Return Loss

30-300 MHz	>31dB
300-600 MHz	>28dB
600-900 MHz	>24dB



RG Type 75 Ohm Coaxial Cables

RG 59 CS1

Construction

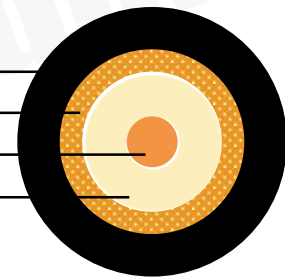
Inner conductor	Copper clad steel(CCS)	0.58 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC or LSZH	$\Phi 6.20 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	158 Ohm/Km
Outer conductor resistance	11.0 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	15.5 Kg/Km
Cable weight (approx.)	50.9 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath
Plain copper shield
Plain copper inner conductor
Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.4	2.26
100	10.7	3.26
200	15.7	4.79
400	22.7	6.92
500	25.7	7.84
600	28.7	8.75
860	34.8	10.61
1000	38.1	11.62

Return Loss

30-300 MHz	>31dB
300-600 MHz	>28dB
600-900 MHz	>24dB

RG Type 75 Ohm Coaxial Cables

RG 59 PC

Construction

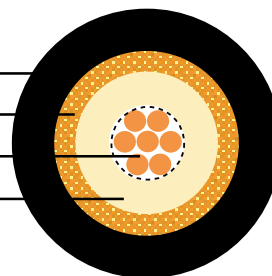
Inner conductor	Plain copper	7 x 0.25 mm
Dielectric	Foam PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	120 x 0.15 mm
Shield coverage		95%
Sheath	PVC or LSZH	$\Phi 6.15 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	56 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	49 Ohm/Km
Outer conductor resistance	9 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	23.8 Kg/Km
Cable weight (approx.)	53.0 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath
 Plain copper shield
 Plain copper inner conductor
 Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.1	2.16
100	10.1	3.08
200	14.0	4.27
400	20.2	6.16
500	23.6	7.20
600	26.2	7.99
860	32.2	9.82
1000	34.8	10.61

Return Loss

30-300 MHz	>25dB
300-600 MHz	>24dB
600-900 MHz	>20dB

RG Type 75 Ohm Coaxial Cables

RG 59 PC1

Construction

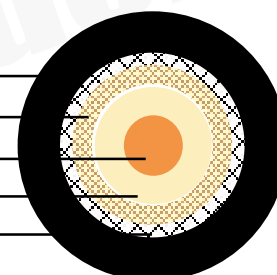
Inner conductor	Plain copper	0.6 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor (shield 1)	Plain copper	120 x 0.12 mm
Shield coverage		86%
Outer conductor (shield 2)	Tinned copper	120 x 0.12 mm
Shield coverage		86%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	62 Ohm/Km
Outer conductor resistance	8.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	29.9 Kg/Km
Cable weight (approx.)	59.8 Kg/Km
Screening effectiveness	>70 dB



PVC or LSZH sheath
 Plain copper shield 1
 Plain copper inner conductor
 Low density PE dielectric
 Tinned copper shield 2



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.2	2.20
100	10.5	3.20
200	15.5	4.73
400	22.3	6.80
500	25.1	7.65
600	28.0	8.54
860	33.9	10.34
1000	37.0	11.28

Return Loss

30-300 MHz	>31dB
300-600 MHz	>28dB
600-900 MHz	>24dB

RG Type 75 Ohm Coaxial Cables

RG 175 PC

Construction

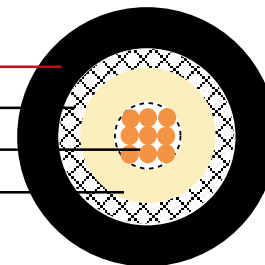
Inner conductor	Plain copper	9 x 0.10 mm
Dielectric	Foam PE	$\Phi 1.50 \pm 0.08$ mm
Outer conductor (shield)	Silver plated copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC or LSZH	$\Phi 2.80 \pm 0.13$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	5.85 Kg/Km
Cable weight (approx.)	12.95 Kg/Km
Screening effectiveness	>50 dB



PVC or LSZH sheath
 Silvered copper shield
 Plain copper inner conductor
 Low density PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	19.2	5.85
100	27.9	8.51
200	40.7	12.41
400	59.2	18.05
500	67.5	20.58
600	72.6	22.13
860	91.1	27.77
1000	101.0	30.79

Return Loss

30-300 MHz	>20dB
300-600 MHz	>20dB
600-900 MHz	>20dB