

M17 /RG Coaxial Cables

RG Type Low Loss 50Ohm

RG 50 LL

RG 195 LL

RG 58 LL

RG 58 LLA

RG 58 LLC

RG 8 LL

RG 8 LLA

RG 8 LLC

RG 240 LL

RG 100 LL

RG 200 LL

RG 400 LL

RG 400 LLA

RG Type Low Loss Coaxial Cables

RG 50 LL

Construction

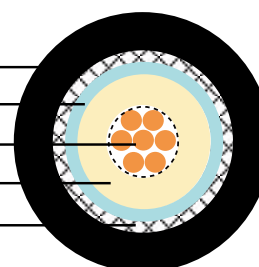
Inner conductor	Tinned copper	7 x 0.25 mm
Dielectric	Foam PE	$\Phi 2.00 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	48 x 0.12 mm
Shield coverage		64%
Sheath	PVC or LSZH	$\Phi 3.60 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	75%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	32.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	8.2 Kg/Km
Cable weight (approx.)	18.3 Kg/Km
Screening effectiveness	>75 dB



PVC or LSZH sheath
 AL + polyester + AL tape
 Tinned copper inner conductor
 Foamed PE dielectric
 Tinned copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	13.0	3.96
100	17.3	5.27
400	35.0	10.67
600	43.3	13.20
860	52.7	16.07
1000	57.2	17.44
1750	76.7	23.38
2400	94.0	28.66

Return Loss

30-300 MHz	>24dB
300-600 MHz	>21dB
600-900 MHz	>15dB



RG Type Low Loss Coaxial Cables

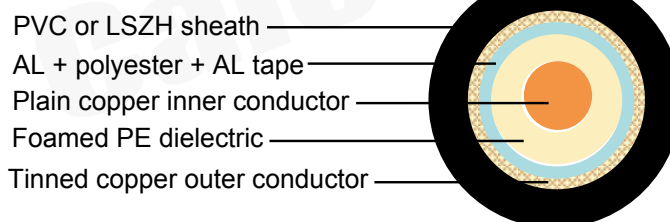
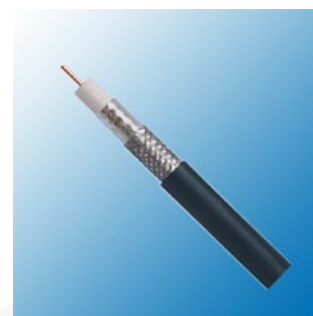
RG 195 LL

Construction

Inner conductor	Plain copper	0.95 mm
Dielectric	Foam PE	$\Phi 2.80 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	96 x 0.12 mm
Shield coverage		85%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	25.2 Ohm/Km
Outer conductor resistance	18.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	16.6 Kg/Km
Cable weight (approx.)	36.6 Kg/Km
Screening effectiveness	>80 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	8.5	2.59
100	11.3	3.45
400	22.9	6.98
600	28.7	8.75
860	34.5	10.52
1000	37.5	11.43
1750	52.2	15.91
2400	64.0	19.51

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>19dB

RG Type Low Loss Coaxial Cables

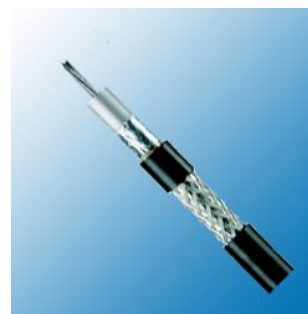
RG 58 LL

Construction

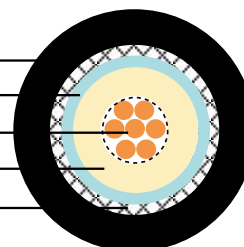
Inner conductor	Tinned copper	7 x 0.40 mm
Dielectric	Foam PE	$\Phi 3.10 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	96 x 0.10 mm
Shield coverage		72%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	20 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	15.3 Kg/Km
Cable weight (approx.)	33.9 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 AL + polyester + AL tape
 Tinned copper inner conductor
 Foamed PE dielectric
 Tinned copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	9.6	2.93
100	12.8	3.90
400	25.9	7.90
600	32.1	9.79
860	39.0	11.89
1000	42.4	12.93
1750	59.0	17.99
2400	72.3	22.04

Return Loss

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

RG Type Low Loss Coaxial Cables

RG 58 LLA

Construction

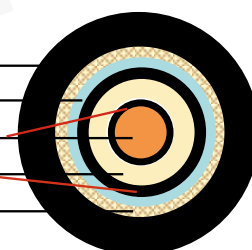
Inner conductor	Plain copper + black PE	1.00 mm
Dielectric	Gas injected foam PE + Carbon black PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	64 x 0.15 mm
Shield coverage		73%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	22.5 Ohm/Km
Outer conductor resistance	20.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	17.8 Kg/Km
Cable weight (approx.)	35.4 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 AL + polyester + AL tape
 Plain copper+black PE inner conductor
 Gas injected foam PE+black PE dielectric
 Tinned copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.3	2.23
100	9.8	2.99
400	19.7	6.01
600	24.9	7.59
860	30.1	9.18
1000	32.7	9.97
1750	45.8	13.96
2400	55.8	17.01

Return Loss

30-300 MHz	>30dB
300-600 MHz	>26dB
600-900 MHz	>20dB

RG Type Low Loss Coaxial Cables

RG 58 LLC

Construction

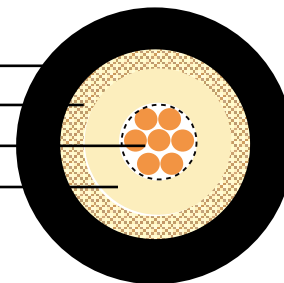
Inner conductor	Plain copper	7 x 0.50 mm
Dielectric	Foam PE	$\Phi 3.80 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	144 x 0.12 mm
Shield coverage		94%
Sheath	PVC or LSZH	$\Phi 5.40 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	14 Ohm/Km
Outer conductor resistance	11 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	28.0 Kg/Km
Cable weight (approx.)	45.9 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath
 Plain copper outer conductor
 Plain copper inner conductor
 Foamed PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.0	2.13
100	10.2	3.11
400	21.2	6.46
600	26.3	8.02
860	32.2	9.82
1000	35.1	10.70
1750	48.0	14.63
2400	58.2	17.74

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>22dB

RG Type Low Loss Coaxial Cables

RG 8 LL

Construction

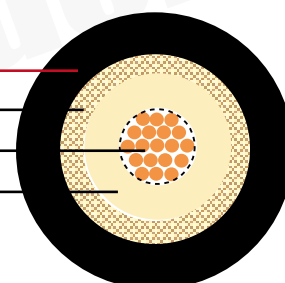
Inner conductor	Plain copper	19 x 0.28 mm
Dielectric	Foam PE	$\Phi 3.90 \pm 0.15$ mm
Outer conductor (shield)	Plain copper	128 x 0.12 mm
Shield coverage		88%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	15.5 Ohm/Km
Outer conductor resistance	14 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	25.2 Kg/Km
Cable weight (approx.)	53.7 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath
 Plain copper shield
 Plain copper inner conductor
 Foamed PE dielectric



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.2	2.20
100	10.5	3.20
400	22.2	6.77
600	27.6	8.41
860	33.9	10.34
1000	37.0	11.28
1750	51.6	15.73
2400	64.5	19.66

Return Loss

30-300 MHz	>26dB
300-600 MHz	>25dB
600-900 MHz	>23dB

RG Type Low Loss Coaxial Cables

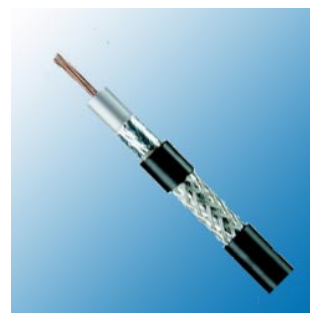
RG 8 LLA

Construction

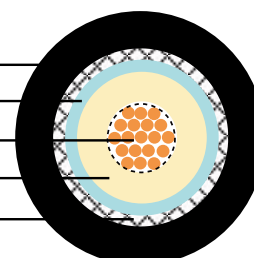
Inner conductor	Plain copper	19 x 0.28 mm
Dielectric	Foam PE	$\Phi 3.90 \pm 0.15$ mm
Outer conductor (shield 1)	Aluminium + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	128 x 0.10 mm
Shield coverage		80%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	15.5 Ohm/Km
Outer conductor resistance	19 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	20.8 Kg/Km
Cable weight (approx.)	48.1 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 AL+polyester +ALTape
 Plain copper inner conductor
 Foamed PE dielectric
 Tinned copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.3	2.23
100	9.8	2.99
400	19.7	6.01
600	24.9	7.59
860	30.1	9.18
1000	32.9	10.03
1750	45.8	13.96
2400	55.8	17.01

Return Loss

30-300 MHz	>26dB
300-600 MHz	>25dB
600-900 MHz	>23dB



RG Type Low Loss Coaxial Cables

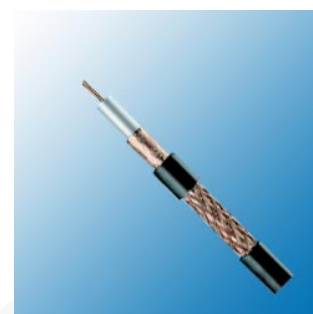
RG 8 LLC

Construction

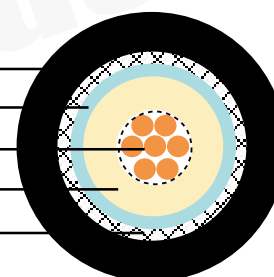
Inner conductor	Plain copper	7 x 0.75 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor (shield 1)	Copper + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Plain copper	128 x 0.10 mm
Shield coverage		57%
Sheath	PVC or LSZH	$\Phi 10.40 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	6 Ohm/Km
Outer conductor resistance	13 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	45.3 Kg/Km
Cable weight (approx.)	137.9 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 Copper+polyester tape
 Plain copper inner conductor
 Low density PE dielectric
 Plain copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	3.7	1.13
100	5.4	1.65
400	11.7	3.57
600	14.6	4.45
860	18.1	5.52
1000	19.6	5.98
1750	28.8	8.78
2400	35.1	10.70

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>23dB

RG Type Low Loss Coaxial Cables

RG 240 LL

Construction

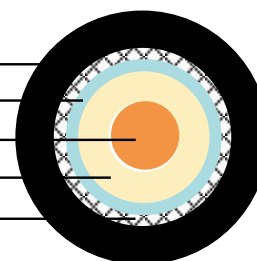
Inner conductor	Plain copper	1.40 mm
Dielectric	Foam PE	$\Phi 3.80 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	112 x 0.12 mm
Shield coverage		80%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	11.5 Ohm/Km
Outer conductor resistance	14.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	25.9 Kg/Km
Cable weight (approx.)	52.6 Kg/Km
Screening effectiveness	>90 dB



PVC or LSZH sheath
 AL+polyester +ALtape
 Plain copper inner conductor
 Foamed PE dielectric
 Tinned copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	5.7	1.74
100	7.8	2.38
400	16.2	4.94
600	20.0	6.10
860	24.2	7.38
1000	26.0	7.93
1750	36.0	10.98
2400	43.1	13.14

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>19dB

RG Type Low Loss Coaxial Cables

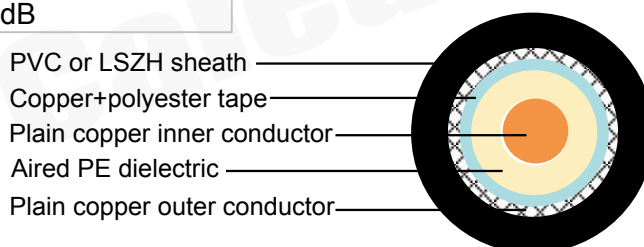
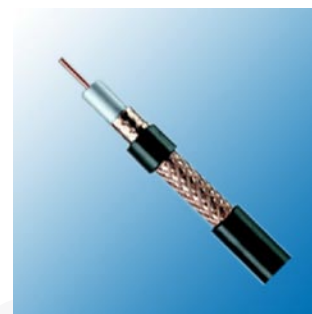
RG 100 LL

Construction

Inner conductor	Plain copper	2.5 mm
Dielectric	Aired PE	$\Phi 6.90 \pm 0.20$ mm
Outer conductor (shield 1)	Copper + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Plain copper	96 x 0.12 mm
Shield coverage		50%
Sheath	PVC or LSZH	$\Phi 9.70 \pm 0.20$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.7 Ohm/Km
Outer conductor resistance	12.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	61.0 Kg/Km
Cable weight (approx.)	128.4 Kg/Km
Screening effectiveness	>75 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	2.5	0.76
100	3.6	1.10
400	7.9	2.41
600	10.1	3.08
860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.70
2400	22.2	6.77

Return Loss

30-300 MHz	>25dB
300-600 MHz	>22dB
600-900 MHz	>18dB

RG Type Low Loss Coaxial Cables

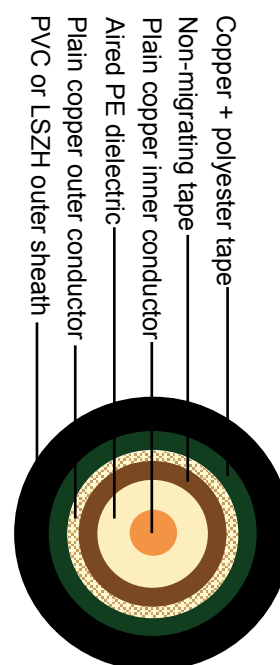
RG 200 LL

Construction

Inner conductor	Plain copper	2.5 mm
Dielectric	Aired PE	$\Phi 6.90 \pm 0.20$ mm
Outer conductor (shield 1)	Copper + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Plain copper	192 x 0.15 mm
Shield coverage		96%
Tape	Non-migrating tape	h.27mm
Sheath	PVC or LSZH	$\Phi 10.30 \pm 0.20$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.7 Ohm/Km
Outer conductor resistance	5.5 Ohm/Km
Operating temperature range	-40 °C - +75 °C
Copper weight	88.5 Kg/Km
Cable weight (approx.)	148 Kg/Km
Screening effectiveness	>85 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	2.5	0.76
100	3.6	1.10
400	7.9	2.41
600	10.1	3.08
860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.70
2400	22.2	6.77

Return Loss

30-300 MHz	>25dB
300-600 MHz	>22dB
600-900 MHz	>18dB

RG Type Low Loss Coaxial Cables

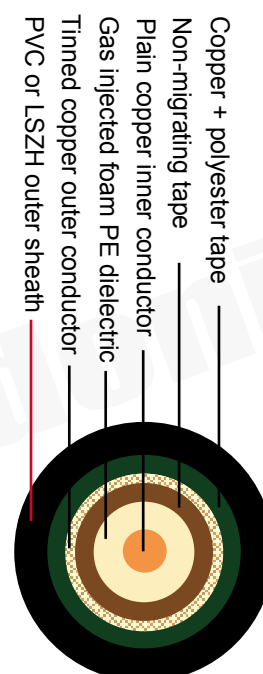
RG 400 LL

Construction

Inner conductor	Plain copper	2.62 mm
Dielectric	Gas injected foam PE	$\Phi 7.20 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	128 x 0.15 mm
Shield coverage		70%
Tape	Non-migrating tape	h.27mm
Sheath	PVC or LSZH	$\Phi 10.30 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.2 Ohm/Km
Outer conductor resistance	7.5 Ohm/Km
Operating temperature range	-40 °C - +75 °C
Copper weight	71.0 Kg/Km
Cable weight (approx.)	122.1 Kg/Km
Screening effectiveness	>85 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	2.5	0.76
100	3.6	1.10
400	7.9	2.41
600	10.1	3.08
860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.70
2400	22.2	6.77

Return Loss

30-300 MHz	>29dB
300-600 MHz	>26dB
600-900 MHz	>24dB

RG Type Low Loss Coaxial Cables

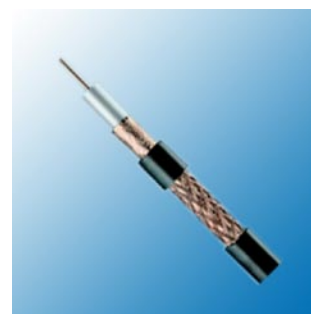
RG 400 LLA

Construction

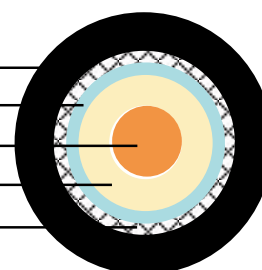
Inner conductor	Plain copper	2.62 mm
Dielectric	Gas injected foam PE	$\Phi 7.20 \pm 0.10$ mm
Outer conductor (shield 1)	Copper + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Plain copper	96 x 0.15 mm
Shield coverage		56%
Sheath	PVC or LSZH	$\Phi 10.30 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.2 Ohm/Km
Outer conductor resistance	12.7 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	71.3Kg/Km
Cable weight (approx.)	137.7 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 Copper+polyester tape
 Plain copper inner conductor
 Gas injected foam PE dielectric
 Plain copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	2.5	0.76
100	3.6	1.10
400	7.9	2.41
600	10.1	3.08
860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.70
2400	22.2	6.77

Return Loss

30-300 MHz	>29dB
300-600 MHz	>26dB
600-900 MHz	>24dB