

M17 /RG Coaxial Cables

Broadcast 75Ohm

RG 59 BC

RG 175 BC

CAL 47

5 X CAL 47

8 X CAL 47

10 X CAL 47

CAL 59

4 X CAL 59

5 X CAL 59

CAL 70

CAL 92

Broadcast Coaxial Cables

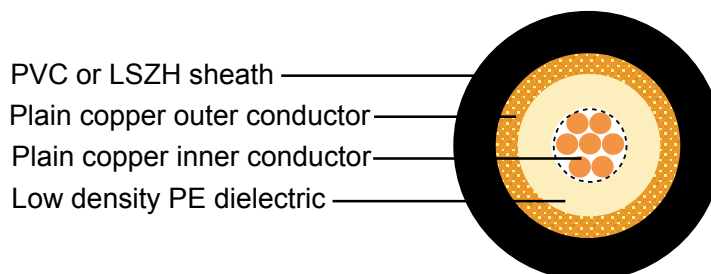
RG 59 BC

Construction

| | | |
|-----------------|----------------|-------------------------|
| Inner conductor | Plain copper | 7 x 0.20 mm |
| Dielectric | Low density PE | $\Phi 3.70 \pm 0.10$ mm |
| Outer conductor | Plain copper | 160 x 0.10 mm |
| Shield coverage | | 92% |
| 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 | 82 Ohm/Km |
| Outer conductor resistance | 15 Ohm/Km |
| Operating temperature range | -30 °C - +70 °C |
| Copper weight | 14.0 Kg/Km |
| Cable weight (approx.) | 49.4 Kg/Km |
| Screening effectiveness | >55 dB |



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100ft) |
|----------------|------------------------|------------------------|
| 50 | 7.9 | 2.41 |
| 100 | 11.5 | 3.51 |
| 200 | 16.8 | 5.12 |
| 400 | 24.1 | 7.35 |
| 500 | 27.3 | 8.32 |
| 600 | 30.4 | 9.27 |
| 860 | 36.8 | 11.22 |
| 1000 | 40.1 | 12.23 |

Return Loss

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

Broadcast Coaxial Cables

RG 175 BC

Construction

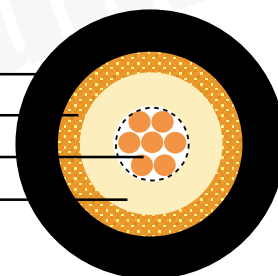
| | | |
|-----------------|---------------|-------------------------|
| Inner conductor | Tinned copper | 7 x 0.13 mm |
| Dielectric | Foam PE | $\Phi 1.70 \pm 0.10$ mm |
| Outer conductor | Tinned copper | 80 x 0.10 mm |
| Shield coverage | | 92% |
| Sheath | PVC or LSZH | $\Phi 2.60 \pm 0.10$ mm |

Electrical & Mechanical Characteristics

| | |
|-----------------------------|-----------------|
| Impedance | 75 \pm 5 Ohm |
| Nominal capacitance | 56 pF/m |
| Velocity of propagation | 66% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 20.5 Ohm/Km |
| Outer conductor resistance | 30.0 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 6.9 Kg/Km |
| Cable weight (approx.) | 11.3 Kg/Km |
| Screening effectiveness | >50 dB |



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



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100ft) |
|----------------|------------------------|------------------------|
| 50 | 11.7 | 3.57 |
| 100 | 15.8 | 4.82 |
| 200 | 24.6 | 7.50 |
| 400 | 36.5 | 11.13 |
| 500 | 41.3 | 12.59 |
| 600 | 44.7 | 13.63 |
| 860 | 53.8 | 16.40 |
| 1000 | 57.7 | 17.59 |

Return Loss

| | |
|-------------|-------|
| 30-300 MHz | >20dB |
| 300-600 MHz | >18dB |
| 600-900 MHz | >16dB |

Broadcast Coaxial Cables

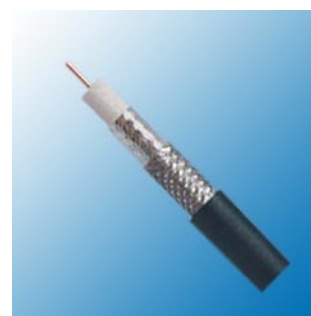
CAL 47

Construction

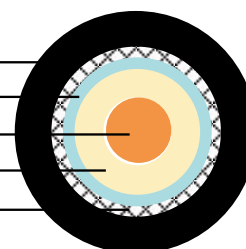
| | | |
|----------------------------|--|-------------------------|
| Inner conductor | Plain copper | 0.6 mm |
| Dielectric | Gas injected foam PE | $\Phi 2.80 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 128 x 0.10 mm |
| Shield coverage | | 90% |
| Sheath | PVC | $\Phi 4.70 \pm 0.10$ 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 | 62 Ohm/Km |
| Outer conductor resistance | 17.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 12.2 Kg/Km |
| Cable weight (approx.) | 30.5 Kg/Km |
| Screening effectiveness | >85 dB |



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



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 7.3 | 2.23 |
| 230 | 14.7 | 4.48 |
| 470 | 21.4 | 6.52 |
| 860 | 30.0 | 9.15 |
| 1000 | 32.9 | 10.03 |
| 1350 | 38.2 | 11.65 |
| 1500 | 41.1 | 12.53 |
| 1750 | 44.1 | 13.45 |
| 2150 | 49.7 | 15.15 |
| 2400 | 53.6 | 16.34 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >32dB |
| 470-860 MHz | >27dB |
| 860-2400 MHz | >21dB |

Broadcast Coaxial Cables

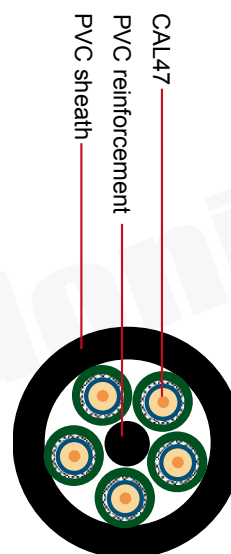
5 X CAL 47

Construction

| | | |
|----------------------------|--|--------------------------|
| Inner conductor | Plain copper | 0.6 mm |
| Dielectric | Gas injected 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 | 128 x 0.10 mm |
| Shield coverage | | 90% |
| Individual sheath | PVC | $\Phi 4.50 \pm 0.10$ mm |
| Overall sheath | PVC | $\Phi 14.20 \pm 0.40$ mm |
| Reinforcement | PVC | |

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 | 62 Ohm/Km |
| Outer conductor resistance | 17.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 61.0 Kg/Km |
| Cable weight (approx.) | 192.7 Kg/Km |
| Screening effectiveness | >85 dB |



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 7.8 | 2.38 |
| 200 | 15.1 | 4.60 |
| 470 | 23.5 | 7.16 |
| 860 | 32.7 | 9.97 |
| 1000 | 35.6 | 10.85 |
| 1350 | 41.7 | 12.71 |
| 1500 | 44.8 | 13.66 |
| 1750 | 48.0 | 14.63 |
| 2150 | 54.2 | 16.52 |
| 2400 | 57.8 | 17.62 |

Return Loss

| | |
|-------------|-------|
| 30-300 MHz | >32dB |
| 300-600 MHz | >27dB |
| 600-900 MHz | >23dB |

Broadcast Coaxial Cables

8 X CAL 47

Construction

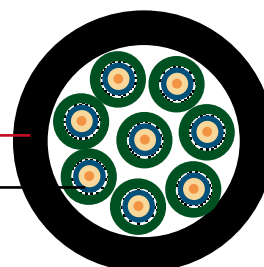
| | | |
|----------------------------|--|--------------------------|
| Inner conductor | Plain copper | 0.6 mm |
| Dielectric | Gas injected foam PE | $\Phi 2.80 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 128 x 0.10 mm |
| Shield coverage | | 90% |
| Individual sheath | PVC | $\Phi 4.50 \pm 0.10$ mm |
| Overall sheath | PVC | $\Phi 18.00 \pm 0.80$ 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 | 62 Ohm/Km |
| Outer conductor resistance | 17.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 92.6 Kg/Km |
| Cable weight (approx.) | 371.6 Kg/Km |
| Screening effectiveness | >85 dB |

PVC sheath

CAL47



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 7.3 | 2.23 |
| 200 | 13.7 | 4.18 |
| 470 | 21.4 | 6.52 |
| 860 | 30.0 | 9.15 |
| 1000 | 32.9 | 10.03 |
| 1350 | 38.2 | 11.65 |
| 1500 | 41.1 | 12.53 |
| 1750 | 44.1 | 13.45 |
| 2150 | 49.7 | 15.15 |
| 2400 | 53.6 | 16.34 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >32dB |
| 470-860 MHz | >27dB |
| 860-2400 MHz | >21dB |

Broadcast Coaxial Cables

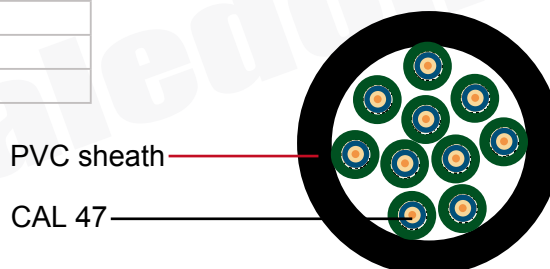
10 X CAL 47

Construction

| | | |
|----------------------------|--|--------------------------|
| Inner conductor | Plain copper | 0.6 mm |
| Dielectric | Gas injected 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 | 128 x 0.10 mm |
| Shield coverage | | 90% |
| Individual sheath | PVC | $\Phi 4.50 \pm 0.10$ mm |
| Overall sheath | PVC | $\Phi 22.00 \pm 0.50$ 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 | 62 Ohm/Km |
| Outer conductor resistance | 17.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 122.0 Kg/Km |
| Cable weight (approx.) | 533.3 Kg/Km |
| Screening effectiveness | >85 dB |



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 7.3 | 2.23 |
| 200 | 13.7 | 4.18 |
| 470 | 21.4 | 6.52 |
| 860 | 30.0 | 9.15 |
| 1000 | 32.9 | 10.03 |
| 1350 | 38.2 | 11.65 |
| 1500 | 41.1 | 12.53 |
| 1750 | 44.1 | 13.45 |
| 2150 | 49.7 | 15.15 |
| 2400 | 53.6 | 16.34 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >32dB |
| 470-860 MHz | >27dB |
| 860-2400 MHz | >21dB |

Broadcast Coaxial Cables

CAL 59

Construction

| | | |
|----------------------------|--|-------------------------|
| Inner conductor | Plain copper | 0.8 mm |
| Dielectric | Foam PE | $\Phi 3.65 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 96 x 0.15 mm |
| Shield coverage | | 88% |
| Sheath | PVC | $\Phi 5.90 \pm 0.10$ 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 | 35 Ohm/Km |
| Outer conductor resistance | 12.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 21.8 Kg/Km |
| Cable weight (approx.) | 49.5 Kg/Km |
| Screening effectiveness | >90 dB |

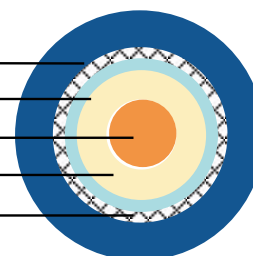
PVC sheath

AL+polyester+AL tape

Plain copper inner conductor

Foamed PE dielectric

Tinned copper shield



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 6.0 | 1.83 |
| 230 | 12.5 | 3.81 |
| 470 | 18.2 | 5.55 |
| 860 | 25.5 | 7.77 |
| 1000 | 27.9 | 8.51 |
| 1350 | 32.6 | 9.94 |
| 1500 | 34.9 | 10.64 |
| 1750 | 37.6 | 11.46 |
| 2150 | 42.3 | 12.90 |
| 2400 | 45.4 | 13.84 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >32dB |
| 470-860 MHz | >30dB |
| 860-2400 MHz | >26dB |

Broadcast Coaxial Cables

4 X CAL 59

Construction

| | | |
|----------------------------|--|-----------------------------|
| Inner conductor | Plain copper | 0.8 mm |
| Dielectric | Foam PE | $\Phi 3.65 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 96 x 0.15 mm |
| Shield coverage | | 88% |
| Individual sheath | PVC(yellow green red blue) | $\Phi 5.90 \pm 0.10$ mm |
| Overall sheath | Black PVC | $\Phi 16.90 \pm 0.40$ mm |
| Reinforcement | PVC | 5 x $\Phi 2.40 \pm 0.10$ mm |

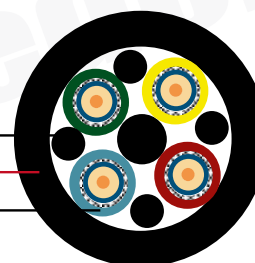
Electrical & Mechanical Characteristics

| | |
|-----------------------------|-----------------|
| Impedance | 75 \pm 5 Ohm |
| Nominal capacitance | 56 pF/m |
| Velocity of propagation | 80% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 35 Ohm/Km |
| Outer conductor resistance | 12.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 87.2 Kg/Km |
| Cable weight (approx.) | 340.1 Kg/Km |
| Screening effectiveness | >90 dB |

PVC reinforcement

PVC sheath

CAL 59



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 6.0 | 1.83 |
| 200 | 11.6 | 3.54 |
| 470 | 18.2 | 5.55 |
| 860 | 25.5 | 7.77 |
| 1000 | 27.9 | 8.51 |
| 1350 | 32.6 | 9.94 |
| 1500 | 34.9 | 10.64 |
| 1750 | 37.6 | 11.46 |
| 2150 | 42.3 | 12.90 |
| 2400 | 45.4 | 13.84 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >32dB |
| 470-860 MHz | >30dB |
| 860-2400 MHz | >26dB |

Broadcast Coaxial Cables

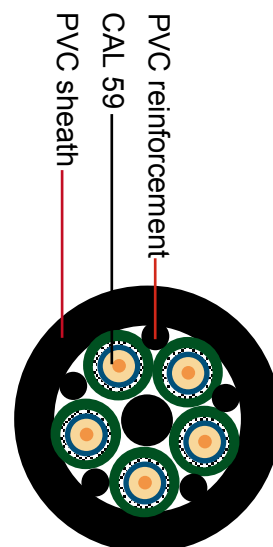
5 X CAL 59

Construction

| | | |
|----------------------------|--|-----------------------------|
| Inner conductor | Plain copper | 0.8 mm |
| Dielectric | Foam PE | $\Phi 3.65 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 96 x 0.15 mm |
| Shield coverage | | 88% |
| Individual sheath | Green PVC | $\Phi 5.90 \pm 0.10$ mm |
| Overall sheath | Black PVC | $\Phi 19.40 \pm 0.50$ mm |
| Reinforcement 1 | PVC | $\Phi 4.20 \pm 0.10$ mm |
| Reinforcement 2 | PVC | 5 x $\Phi 2.30 \pm 0.10$ 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 | 35 Ohm/Km |
| Outer conductor resistance | 12.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 100.0 Kg/Km |
| Cable weight (approx.) | 440.3 Kg/Km |
| Screening effectiveness | >90 dB |



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 6.0 | 1.83 |
| 200 | 11.6 | 3.54 |
| 470 | 18.2 | 5.55 |
| 860 | 25.5 | 7.77 |
| 1000 | 27.9 | 8.51 |
| 1350 | 32.6 | 9.94 |
| 1500 | 34.9 | 10.64 |
| 1750 | 37.6 | 11.46 |
| 2150 | 42.3 | 12.90 |
| 2400 | 45.4 | 13.84 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >32dB |
| 470-860 MHz | >30dB |
| 860-2400 MHz | >26dB |

Broadcast Coaxial Cables

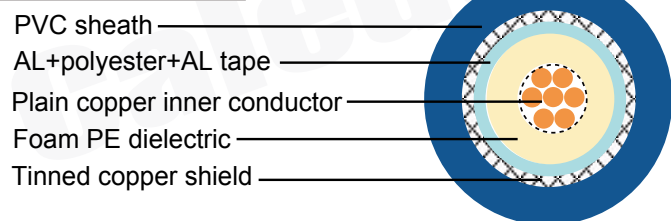
CAL 70

Construction

| | | |
|----------------------------|--|-------------------------|
| Inner conductor | Plain copper | 7 x 0.40 mm |
| Dielectric | Foam PE | $\Phi 4.95 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 96 x 0.15 mm |
| Shield coverage | | 71% |
| Sheath | Blue PVC | $\Phi 7.00 \pm 0.10$ mm |

Electrical & Mechanical Characteristics

| | |
|-----------------------------|-----------------|
| Impedance | 75 \pm 5 Ohm |
| Nominal capacitance | 53 pF/m |
| Velocity of propagation | 84% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 20.5 Ohm/Km |
| Outer conductor resistance | 13.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 24.6 Kg/Km |
| Cable weight (approx.) | 56.25 Kg/Km |
| Screening effectiveness | >85 dB |



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 4.4 | 1.34 |
| 230 | 9.5 | 2.90 |
| 470 | 13.7 | 4.18 |
| 860 | 19.2 | 5.85 |
| 1000 | 21.0 | 6.40 |
| 1350 | 24.7 | 7.53 |
| 1500 | 26.6 | 8.11 |
| 1750 | 28.7 | 8.75 |
| 2150 | 32.4 | 9.88 |
| 2400 | 34.7 | 10.58 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >30dB |
| 470-860 MHz | >26dB |
| 860-2400 MHz | >22dB |

Broadcast Coaxial Cables

CAL 92

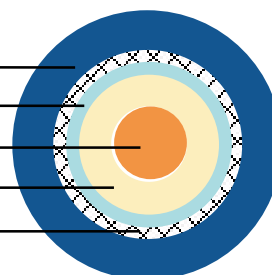
Construction

| | | |
|----------------------------|--|-------------------------|
| Inner conductor | Plain copper | 1.40 mm |
| Dielectric | Foam PE | $\Phi 6.4 \pm 0.10$ mm |
| Outer conductor (shield 1) | Aluminium + polyester + Aluminium tape | |
| Shield coverage | | 100% |
| Outer conductor (shield 2) | Tinned copper | 192 x 0.15 mm |
| Shield coverage | | 95% |
| Sheath | PVC | $\Phi 9.20 \pm 0.10$ mm |

Electrical & Mechanical Characteristics

| | |
|-----------------------------|-----------------|
| Impedance | 75 \pm 5 Ohm |
| Nominal capacitance | 53 pF/m |
| Velocity of propagation | 84% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 11.5 Ohm/Km |
| Outer conductor resistance | 5.5 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 49.2 Kg/Km |
| Cable weight (approx.) | 109.2 Kg/Km |
| Screening effectiveness | >84 dB |

PVC sheath
 AL+polyester+AL tape
 Plain copper inner conductor
 Foamed PE dielectric
 Tinned copper shield



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 3.4 | 1.04 |
| 200 | 7.4 | 2.26 |
| 470 | 10.7 | 3.26 |
| 860 | 14.8 | 4.51 |
| 1000 | 16.3 | 4.97 |
| 1350 | 19.4 | 5.91 |
| 1500 | 20.8 | 6.34 |
| 1750 | 22.5 | 6.86 |
| 2150 | 25.3 | 7.71 |
| 2400 | 27.0 | 8.23 |

Return Loss

| | |
|--------------|-------|
| 30-470 MHz | >29dB |
| 470-860 MHz | >27dB |
| 860-2400 MHz | >23dB |