

M17 /RG Coaxial Cables

Hybrid 75Ohm

Twin RG 6

Twin RG 59

RG175 + 3 x 0.22mm²

RG175 + 2 x 0.22mm² + 2 x 0.5mm²

RG175 + 4 x 0.22mm² + 2 x 0.75mm²

RG175 + 2 x 0.75mm²+ 10 x 0.5mm²

RG59 + 2 x 0.5mm²

RG59 + 2 x 0.75mm²

RG59 + 2 x 1.00mm²

RG59 + 2 x 1.5mm²

RG59 + 2 x 0.75mm²+ 2 x 0.22mm²

RG59 + 2 x 1.50mm²+ 2 x 0.25mm²

RG59 + 2 x 1.50mm²+ 2 x 1.00mm²

RG59 + 2 x 2.50mm²+ 2 x 0.22mm²

RG59 + 2 x 0.75mm²+10x 0.50mm²

Hybrid Coaxial Cables

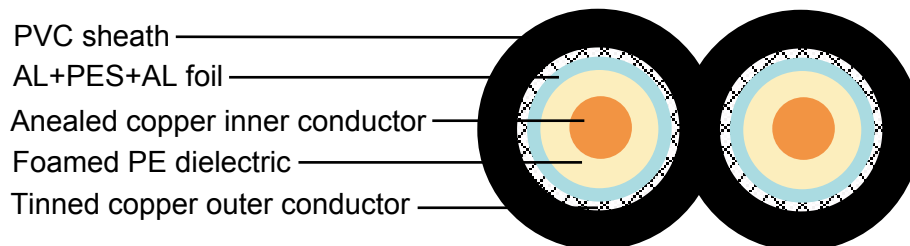
Twin RG 6

Construction

Inner conductor	Anealed copper	Φ1.02 mm
Dielectric	Foam PE	Φ4.57 mm
Outer conductor (shield 1)	Al-PES-Al foil	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	
Shield coverage		60%
Sheath	PVC	Φ6.8 - 13.9mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	57 pF/m
Velocity of propagation	78%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	11.5 Ohm/Km
Outer conductor resistance	5.5 Ohm/Km
Operating temperature range	-40 °C - +70 °C
Cable weight (approx.)	100 Kg/Km



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
200	9.9	3.02
500	15.2	4.63
860	20.7	6.31
1000	22.5	6.86
1500	27.0	8.23
2000	30.8	9.39
2400	34.1	10.40
3000	39.0	11.89

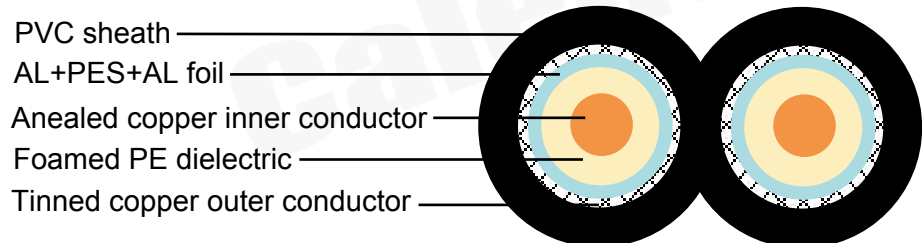
Twin RG 59

Construction

Inner conductor	Anealed copper	0.81 mm
Dielectric	Foam PE	Φ3.6 mm
Outer conductor (shield 1)	Al-PES-Al foil	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	
Shield coverage		60%
Sheath	PVC	Φ5.9 - 12.7mm

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	57 pF/m
Velocity of propagation	78%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	11.5 Ohm/Km
Outer conductor resistance	5.5 Ohm/Km
Operating temperature range	-40°C - +70 °C
Cable weight (approx.)	75 Kg/Km



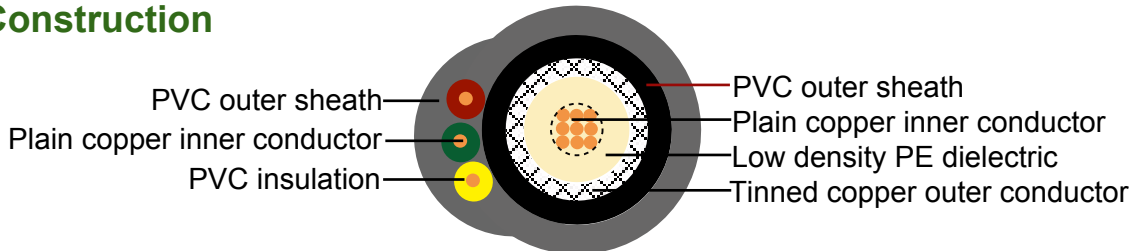
Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
200	12.4	3.78
500	18.8	5.73
860	25.3	7.71
1000	27.6	8.41
1500	34.1	10.40
2000	40.4	12.32
2400	44.8	13.66
3000	50.1	15.27

Hybrid Coaxial Cables

RG175 + 3 x 0.22mm²

Construction



Inner conductor1	Plain copper	9 x 0.10 mm
Dielectric	Low density PE	Φ1.50 ± 0.08 mm
Outer conductor	Tinned copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC	Φ2.80 ± 0.13 mm
Inner conductor 2	Plain copper	3 x 0.22 mm ²
Insulated cores 2	PVC(Green +Yellow + Red)	3 x Φ1.00 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ5.30 ± 0.20 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	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance	82 Ohm/Km
Test/Operatig Voltage(max)	1.2 KV/0.25 KV
Copper weight	11.85 Kg/Km
Cable weight (approx.)	43.2 Kg/Km
Screening effectiveness	>50 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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

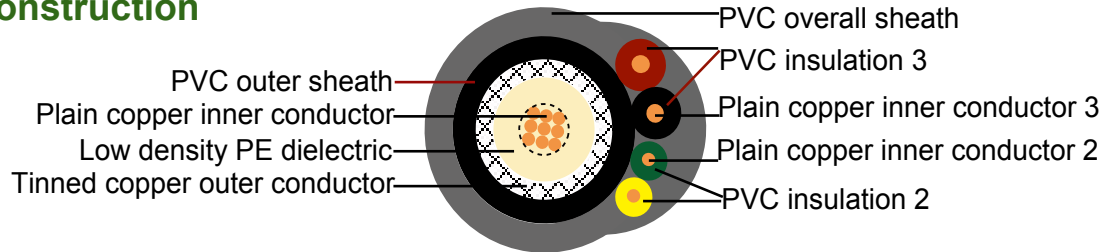
Return Loss

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

Hybrid Coaxial Cables

RG175 + 2 x 0.22mm² + 2 x 0.5mm²

Construction



Inner conductor 1	Plain copper	9 x 0.10 mm
Dielectric	Low density PE	Φ1.50 ± 0.08 mm
Outer conductor	Tinned copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC	Φ2.80 ± 0.13 mm
Inner conductor 2	Plain copper	2 x 0.22 mm ²
Insulated cores 2	PVC	2 x Φ1.00 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 0.50 mm ²
Insulated cores 3	PVC	2 x Φ1.50 ± 0.10 mm
Overall sheath	PVC	Φ6.20 ± 0.20 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	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.22 mm ² - 0.50 mm ²	82Ohm/Km - 39 Ohm/Km
Test/Operatig Voltage(max)	1.2 KV/0.25 KV
Copper weight	18.85 Kg/Km
Cable weight (approx.)	61.55 Kg/Km
Screening effectiveness	>50 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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

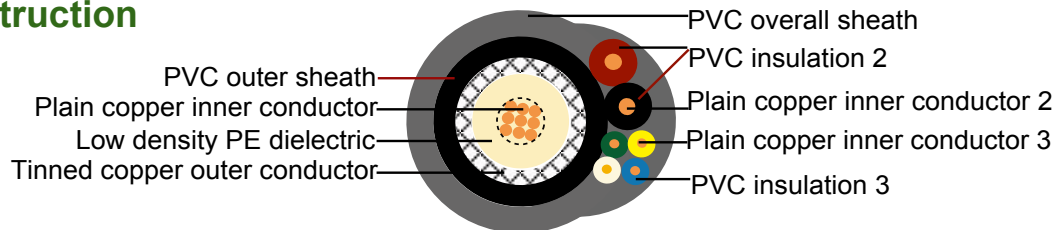
Return Loss

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

Hybrid Coaxial Cables

RG175 + 4 x 0.22mm² + 2 x 0.75mm²

Construction



Inner conductor 1	Plain copper	9 x 0.10 mm
Dielectric	Low density PE	Φ1.50 ± 0.08 mm
Outer conductor(shield)	Tinned copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC	Φ2.80 ± 0.13 mm
Inner conductor 2	Plain copper	4 x 0.22 mm ²
Insulated cores 2	PVC	4 x Φ1.00 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 0.75 mm ²
Insulated cores 3	PVC	2 x Φ1.70 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ7.00 ± 0.20 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	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.22 mm ² / 0.75 mm ²	82Ohm/Km/26 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	27.45 Kg/Km
Cable weight (approx.)	82.75 Kg/Km
Screening effectiveness	>50 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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

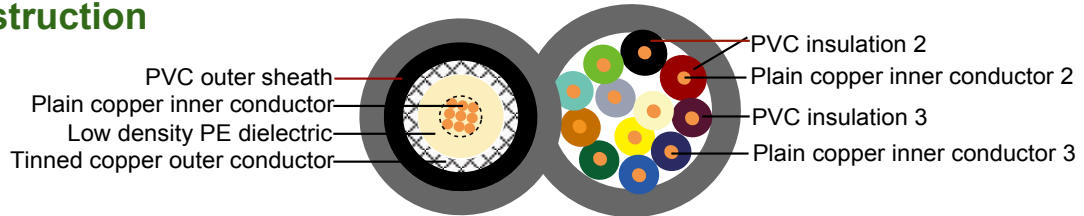
Return Loss

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

Hybrid Coaxial Cables

RG175 + 2 x 0.75mm²+ 10 x 0.5mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	9 x 0.10 mm
Dielectric	Low density PE	Φ1.50 ± 0.08 mm
Outer conductor (shield)	Tinned copper	72 x 0.10 mm
Shield coverage		90%
Sheath	PVC	Φ2.80 ± 0.13 mm
Inner conductor 2	Plain copper	2x 0.75 mm ²
Insulated cores 2	PVC	2 x Φ1.70 ± 0.10 mm
Inner conductor 3	Plain copper	10 x 0.5 mm ²
Insulated cores 3	PVC	10 x Φ1.50 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ9.90 ± 0.30 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	250 Ohm/Km
Outer conductor resistance	35 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.50 mm ² /0.75 mm ²	39Ohm/Km/26 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	64.45 Kg/Km
Cable weight (approx.)	172.65 Kg/Km
Screening effectiveness	>50 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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

Hybrid Coaxial Cables

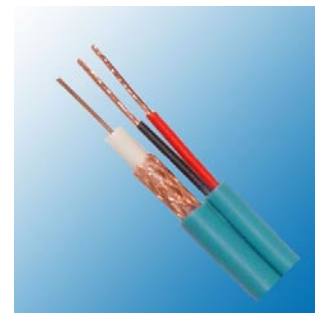
RG59 + 2 x 0.5mm²

Construction

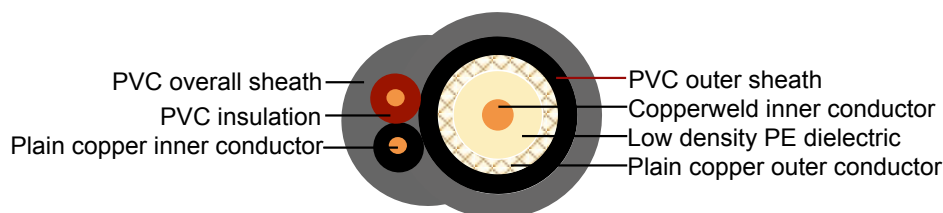
Inner conductor1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor (shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2 x 0.50 mm ²
Insulated cores 2	PVC	2 x Φ1.50 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ10.30 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance	39 Ohm/Km
Test/Operatig Voltage(max)	1.2 KV/0.25 KV
Copper weight	24.5 Kg/Km
Cable weight (approx.)	142.8 Kg/Km
Screening effectiveness	>55 dB



Attenuation



Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

Return Loss

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

Hybrid Coaxial Cables

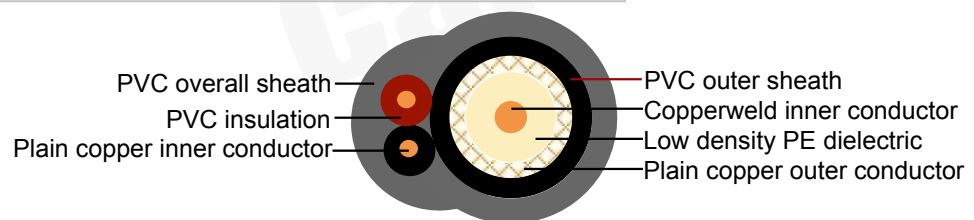
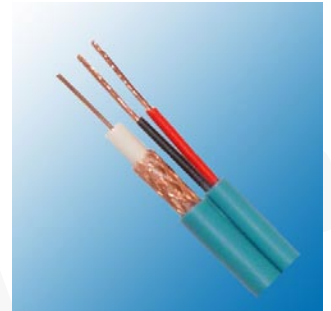
RG59 + 2 x 0.75mm²

Construction

Inner conductor1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2 x 0.75 mm ²
Insulated cores 2	PVC	2 x Φ1.70 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ10.30 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance	26 Ohm/Km
Test/Operatig Voltage(max)	2 KV/0.3 KV
Copper weight	29.1 Kg/Km
Cable weight (approx.)	147.6 Kg/Km
Screening effectiveness	>55 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

Return Loss

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

Hybrid Coaxial Cables

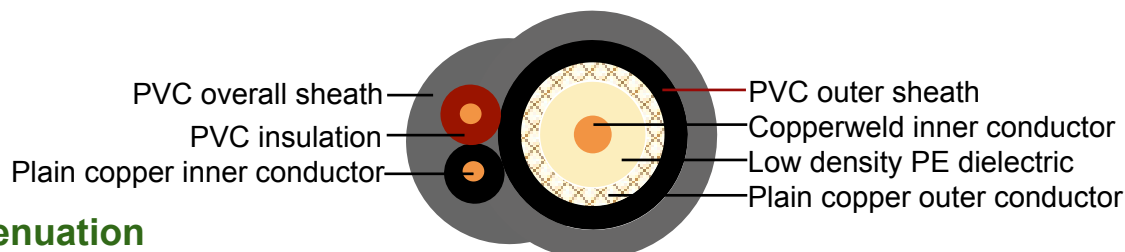
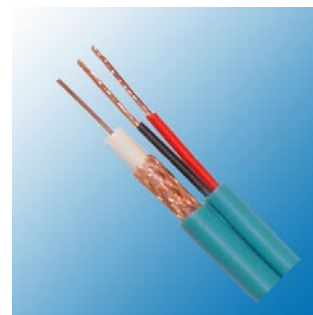
RG59 + 2 x 1.00mm²

Construction

Inner conductor1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2 x 1.00 mm ²
Insulated cores 2	PVC	2 x Φ2.40 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ10.90 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance	18 Ohm/Km
Test/Operatig Voltage(max)	2 KV/0.3 KV
Copper weight	33.5 Kg/Km
Cable weight (approx.)	166.0 Kg/Km
Screening effectiveness	>55 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

Return Loss

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

Hybrid Coaxial Cables

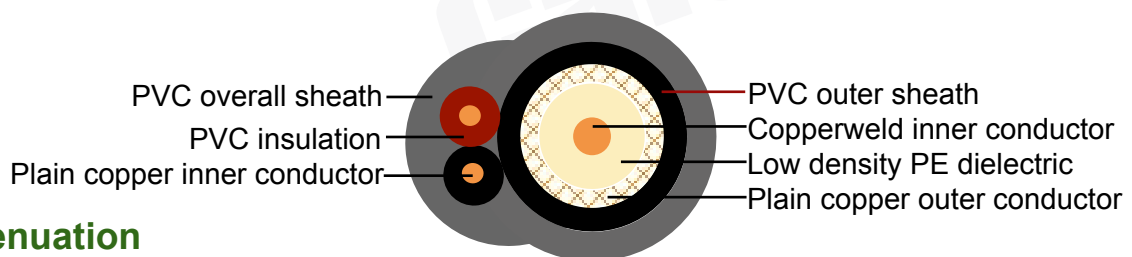
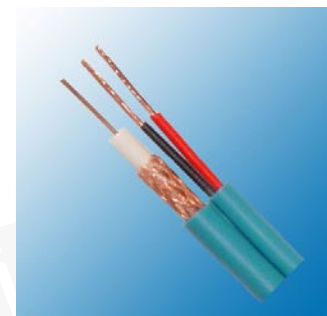
RG59 + 2 x 1.50mm²

Construction

Inner conductor1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2 x 1.50 mm ²
Insulated cores 2	PVC	2 x Φ2.60 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ11.490 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance	12 Ohm/Km
Test/Operatig Voltage(max)	2 KV/0.3 KV
Copper weight	42.1 Kg/Km
Cable weight (approx.)	186.9 Kg/Km
Screening effectiveness	>55 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

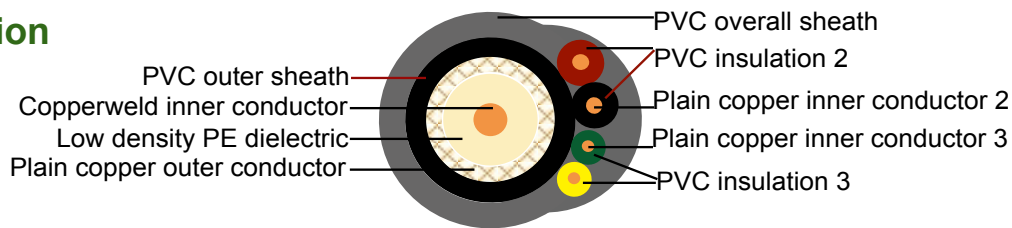
Return Loss

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

Hybrid Coaxial Cables

RG59 + 2 x 0.75mm²+ 2 x 0.22mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor (shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2x 0.75 mm ²
Insulated cores 2	PVC	2 x Φ1.70 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 0.22 mm ²
Insulated cores 3	PVC	2 x Φ1.00 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ10.40 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.22 mm ² / 0.75 mm ²	82 Ohm/Km /26 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	33.1 Kg/Km
Cable weight (approx.)	153.4 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

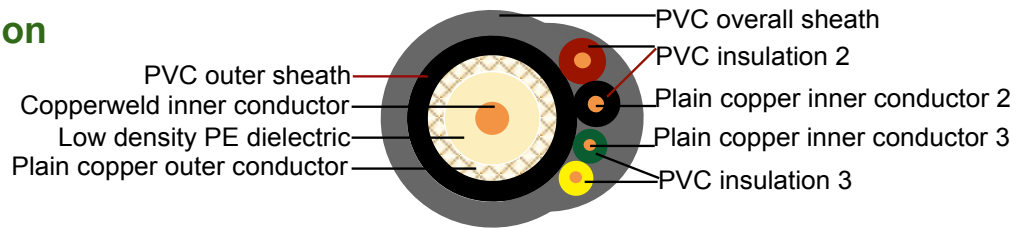
Return Loss

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

Hybrid Coaxial Cables

RG59 + 2 x 1.5mm²+ 2 x 0.25mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2x 1.5 mm ²
Insulated cores 2	PVC	2 x Φ2.60 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 0.25 mm ²
Insulated cores 3	PVC	2 x Φ1.15 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ10.90 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.25 mm ² /1.50 mm ²	75 Ohm/Km / 12 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	33.1 Kg/Km
Cable weight (approx.)	153.4 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

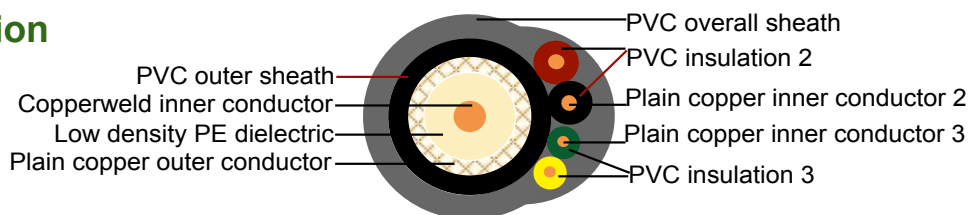
Return Loss

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

Hybrid Coaxial Cables

RG59 + 2 x 1.5mm²+ 2 x 1.00mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2x 1.50 mm ²
Insulated cores 2	PVC	2 x Φ2.60 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 1.00 mm ²
Insulated cores 3	PVC	2 x Φ1.70 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ12.00 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 1.00 mm ² / 1.50 mm ²	18 Ohm/Km/12 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	60.1 Kg/Km
Cable weight (approx.)	220.7 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

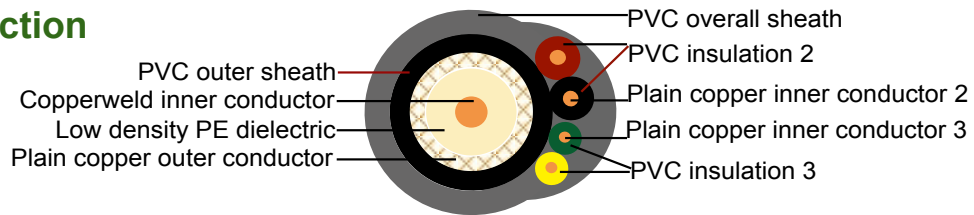
Return Loss

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

Hybrid Coaxial Cables

RG59 + 2 x 2.5mm²+ 2 x 0.22mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2x 2.50 mm ²
Insulated cores 2	PVC	2 x Φ3.40 ± 0.10 mm
Inner conductor 3	Plain copper	2 x 0.22 mm ²
Insulated cores 3	PVC	2 x Φ1.00 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ12.00 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.22 mm ² / 2.50 mm ²	82 Ohm/Km/8 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	63.5 Kg/Km
Cable weight (approx.)	221.4 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

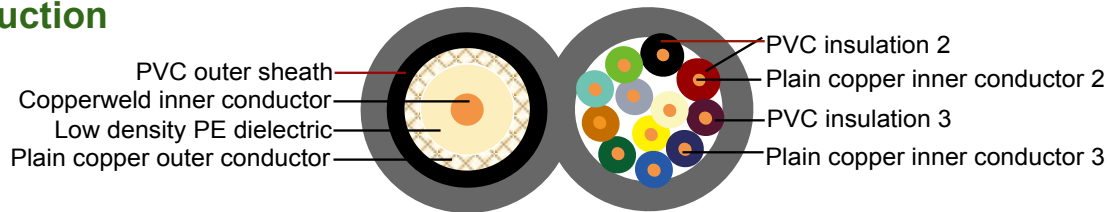
Return Loss

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

Hybrid Coaxial Cables

RG59 + 2 x 0.75mm²+ 10 x 0.5mm²

Construction



Inner conductor 1	Copper covered steel(CCS)	0.58 mm
Dielectric	Low density PE	Φ3.70 ± 0.10 mm
Outer conductor(shield)	Plain copper	180 x 0.10 mm
Shield coverage		94%
Sheath	PVC	Φ6.20 ± 0.10 mm
Inner conductor 2	Plain copper	2x 0.75 mm ²
Insulated cores 2	PVC	2 x Φ1.70 ± 0.10 mm
Inner conductor 3	Plain copper	10 x 0.50 mm ²
Insulated cores 3	PVC	10 x Φ1.50 ± 0.10 mm
Overall sheath	PVC/LSOH	Φ12.80 ± 0.30 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	11 Ohm/Km
Operating temperature range	-25°C - +80 °C
Cores resistance 0.50 mm ² - 0.75 mm ²	39 Ohm/Km - 26 Ohm/Km
Operatig Voltage(max)	0.25 KV/0.3 KV
Test Voltage	1.2 KV/2.0 KV
Copper weight	74.1 Kg/Km
Cable weight (approx.)	254.9 Kg/Km
Screening effectiveness	>55 dB

Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
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	38.0	11.59

Return Loss

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