Coaxial Cable

SYRG6TSV, 75 Ohm Coaxial Drop Cable, Series 6, black PVC jacket

Construction Materials	
Jacket Material	PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	77%
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/ Aluminum(APA) bonded
Messenger Wire Material	Zinc-coated steel
Outer Shield (Tape) Material	Aluminum/Polymer/ Aluminum(APA) bonded

General Specifications	
Cable Type	Series 6
Packaging Type	Reel
Shield Construction Type	Trishield
Center Conductor Gauge	18 AWG
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meter
Messenger Wire Type	Solid
Warranty	One year

Electrical Specifications		
dc Resistance,Inner Conductor, nominal	30.50 ohms/kft	
dc Resistance,Outer Conductor, nominal	6.40 ohms/kft	
dc Resistance,Loop, nominal	39.6 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	53.1 pF/m	16.2 pF/ft
Characteristic Impedance	75 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	85%	

Environmental Specifications	
Environmental Space	Aerial

Dimensions		
Diameter Over Center Conductor	1.016mm	0.040 in
Diameter Over Dielectric, nominal	4.572 mm	0.180 in
Diameter Over Inner Shield(Tape), nominal	4.750 mm	0.187 in
Diameter Over Jacket, nominal	7.061 mm	0.278 in
Diameter Over Messenger Wire, nominal	1.295mm	0.051 in
Jacket Thickness, nominal	0.7620 mm	0.0300 in
Shipping Weight	43.00lb/kft	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
5 MHz	1,25	0,38
55 MHz	3,15	0,96
83 MHz	3,87	1,18
187 MHz	5,74	1,75
211 MHz	6,23	1,90
250 MHz	6,72	2,05
300 MHz	7,38	2,25
350 MHz	7,94	2,42
400 MHz	8,53	2,60
450 MHz	9,02	2,75
500 MHz	9,51	2,90
550 MHz	9,97	3,04
600 MHz	10,43	3,18
750 MHz	11,97	3,65
865 MHz	13,05	3,98
1000 MHz	14,27	4,35
1200 MHz	15,65	4,77
1450 MHz	17,39	5,30
1800 MHz	19,69	6,00
2200 MHz	22,14	6,75
2400 MHz	23,32	7,11
2800 MHz	25,53	7,78
3000 MHz	26,60	8,11

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

Coaxial Cable

SYRG11TSV, 75 Ohm Coaxial Drop Cable, Series 11, black PVC jacket

Construction Materials	
Jacket Material	PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	60%
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded
Outer Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA)

General Specifications	
Cable Type	Series 11
Packaging Type	Reel
Shield Construction Type	Tri-shield
Center Conductor Gauge	14 AWG
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Warranty	One year

Electrical Specifications		
dc Resistance, Inner Conductor, nominal	12.50 ohms/kft	
dc Resistance, Outer Conductor, nominal	4.6 ohms/kft	
dc Resistance, Loop, nominal	17.1 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	53.1 pF/m	16.2 pF/ft
Characteristic Impedance	75 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	85%	

Environmental Specifications		
Environmental Space	Indoor	Outdoor

Dimensions		
Diameter Over Center Conductor, nominal	1.626 mm	0.064 in
Diameter Over Dielectric, nominal	7.112 mm	0.280 in
Diameter Over Inner Shield (Tape), nominal	7.290 mm	0.287 in
Diameter Over Jacket, nominal	10.160 mm	0.400 in
Jacket Thickness, nominal	0.9906 mm	0.0390 in
Shipping Weight	67.00 lb/kft	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
5 MHz	1,25	0,38
55 MHz	3,15	0,96
83 MHz	3,87	1,18
187 MHz	5,47	1,75
211 MHz	6,23	1,90
250 MHz	6,72	2,05
300 MHz	7,38	2,25
350 MHz	7,94	2,42
400 MHz	8,53	2,60
450 MHz	9,02	2,75
500 MHz	9,51	2,90
550 MHz	9,97	3,04
600 MHz	10,43	3,18
750 MHz	11,97	3,65
865 MHz	13,05	3,98
1000 MHz	14,27	4,35
1200 MHz	15,65	4,77
1450 MHz	17,39	5,30
1800 MHz	19,69	6,00
2200 MHz	22,14	6,75
2400 MHz	23,32	7,11
2800 MHz	25,53	7,78
3000 MHz	26,60	8,11

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

Coaxial Cable

SYRG59BV, 75 Ohm Coaxial Drop Cable, Series 59, black PVC jacket

Construction Materials	
Jacket Material	PVC
Center Conductor Material	Copper-clad steel
Dielectric Material	Foam PE
Inner Shield (Braid) Coverage	67%
Inner Shield (Braid) Gauge	34 AWG
Inner Shield (Braid) Material	Aluminum
Inner Shield (Tape) Material	Aluminum/Polymer/Aluminum (APA) bonded

General Specifications	
Cable Type	Series 59
Packaging Type	Reel
Shield Construction Type	Dual shield
Center Conductor Gauge	20 AWG
Center Conductor Type	Solid
Jacket Color	Black
Jacket Marking	Meters
Warranty	One year

Electrical Specifications		
dc Resistance, Inner Conductor, nominal	45.70 ohms/kft	
dc Resistance, Outer Conductor, nominal	10.40 ohms/kft	
dc Resistance, Loop, nominal	56.10 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	53.1 pF/m	16.2 pF/ft
Characteristic Impedance	75 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	85%	

Environmental Specifications	
Environmental Space	Buried

Dimensions		
Diameter Over Center Conductor, nominal	0.813 mm	0.032 in
Diameter Over Dielectric, nominal	3.658 mm	0.144 in
Diameter Over Inner Shield (Tape), nominal	3.785 mm	0.149 in
Diameter Over Jacket, nominal	6.096 mm	0.240 in
Jacket Thickness, nominal	0.8128 mm	0.0320 in
Shipping Weight	25.00 lb/kft	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
5 MHz	2,82	0,86
55 MHz	6,73	2,05
83 MHz	8,04	2,45
187 MHz	11,81	3,60
211 MHz	12,47	3,80
250 MHz	13,45	4,10
300 MHz	14,60	4,45
350 MHz	15,75	2,42
400 MHz	16,73	5,10
450 MHz	17,72	5,40
500 MHz	18,70	5,70
550 MHz	19,52	5,95
600 MHz	20,34	6,20
750 MHz	22,87	6,97
865 MHz	24,67	7,52
1000 MHz	26,64	8,12
1200 MHz	29,36	8,95
1450 MHz	32,51	9,91
1800 MHz	36,55	11,14
2200MHz	40,78	12,43
2400 MHz	42,75	13,03
2800 MHz	46,55	14,19
3000 MHz	48,36	14,74

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

SYLMR300PE, LMR300 50 Ohm Coaxial Cable, black PE jacket

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

Construction Materials	
Center Conductor Material	Copper
Dielectric Material	Foam PE
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum
Jacket Material	PE

Dimensions		
Diameter Over Center Conductor, nominal	1.780 mm	0.070 in
Diameter Over Dielectric, nominal	4.830 mm	0.090 in
Diameter Over Jacket, nominal	7.620 mm	0.300 in
Diameter Over Outer Shield (Braid)	5.660 mm	0.223 in

Electrical Specifications		
Conductor dc Resistance, maximum	6.96 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	80.48pF/m	24.5 pF/ft
Characteristic Impedance	50 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	83%	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
30 MHz	3,80	1,16
50 MHz	4,90	1,50
150 MHz	7,90	2,40
220 MHz	9,50	2,90
450 MHz	13,10	4,00
900 MHz	19,40	5,90
1500 MHz	25,30	7,70
1800 MHz	28,20	8,60
2000 MHz	29,80	9,10
2500 MHz	33,80	10,30
3000 MHz	37,40	11,40
4000 MHz	44,61	13,60
4500 MHz	47,75	14,55
5000 MHz	50,52	15,40
5200 MHz	51,83	15,80
5500 MHz	53,14	16,20
5800 MHz	54,78	16,70
6000 MHz	55,80	17,00

SYLMR400PE, LMR400 50 Ohm Coaxial Cable, black PE jacket

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

Construction Materials	
Center Conductor Material	Copper-clad aluminum wire
Dielectric Material	Foam PE
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum
Jacket Material	Non-halogenated PE

Dimensions		
Diameter Over Center Conductor, nominal	2.740 mm	0.108 in
Diameter Over Dielectric, nominal	7.240 mm	0.285 in
Diameter Over Jacket, nominal	10.29 mm	0.405 in
Diameter Over Outer Shield (Braid)	8.080 mm	0.318 in

Electrical Specifications		
Conductor dc Resistance, maximum	4.690 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	78.0 pF/m	23.8 pF/ft
Characteristic Impedance	50 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	83%	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
30 MHz	2,48	0,76
50 MHz	3,18	0,97
150 MHz	4,92	1,50
220 MHz	6,23	1,90
450 MHz	8,86	2,70
900 MHz	12,80	3,90
1500 MHz	16,70	5,10
1800 MHz	18,40	5,60
2000 MHz	19,40	5,90
2500 MHz	22,00	6,70
3000 MHz	24,60	7,50
4000 MHz	28,87	8,80
4500 MHz	30,84	9,40
5000 MHz	32,81	10,00
5200 MHz	33,46	10,20
5500 MHz	34,78	10,60
5800 MHz	35,76	10,90
6000 MHz	36,42	11,10

SYRG58PE, RG58 Standded 50 Ohm Coaxial Cable, black PE jacket

Construction Materials	
Center Conductor Material	Stranded tinned copper wire
Dielectric Material	PE
Inner Shield (Braid) Coverage	69%%
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	No tape
Jacket Material	PE

Dimensions		
Diameter Over Center Conductor, nominal	0.952 mm	0.037 in
Diameter Over Dielectric, nominal	2.895 mm	0.114 in
Diameter Over Jacket, nominal	4.902 mm	0.193 in
Jacket Thickness, nominal	0.762 mm	0.033 in
Diameter Over Outer Shield (Braid)	3.404 mm	0.134 in

Electrical Specifications		
Conductor dc Resistance, maximum	10.50 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	105.0 pF/m	32.0 pF/ft
Characteristic Impedance	50 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	66%	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
1 MHz	1,48	0,45
10 MHz	5,38	1,64
50 MHz	12,33	3,76
100 MHz	17,88	5,45
200 MHz	26,11	7,96
400 MHz	38,87	11,85
700 MHz	55,07	16,79
900 MHz	64,52	19,67
1000 MHz	69,40	21,16

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

SYRG174 Low Loss, RG174 Low Loss 50 Ohm Coaxial Cable, black PE jacket

Construction Materials	
Center Conductor Material	Copper-clad steel wire
Dielectric Material	PE
Inner Shield (Braid) Coverage	93%
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum, unbonded
Jacket Material	PE

Dimensions		
Diameter Over Center Conductor, nominal	0.460 mm	0.018 in
Diameter Over Dielectric, nominal	1.524 mm	0.060 in
Diameter Over Jacket, nominal	2.794 mm	0.110 in
Diameter Over Outer Shield (Braid)	2.032 mm	0.080 in

Electrical Specifications		
Conductor dc Resistance, maximum	88 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	103.3pF/m	31.5 pF/ft
Characteristic Impedance	50 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	66%	

Electrical Performance		
Frequency	**Attenuation (dB/100 m)**	**Attenuation (dB/100 ft)**
200 MHz	34,40	10,48
400 MHz	49,60	15,11
700 MHz	67,20	20,50
900 MHz	79,50	24,24
1000 MHz	84,30	25,71
1200 MHz	92,50	28,19
1400 MHz	101,20	30,87
1600 MHz	109,90	33,50
1800 MHz	115,70	35,27
2000 MHz	123,00	37,50
2300 MHz	131,20	40,00

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*

Coaxial Cable

SYLMR240PE, LMR240 50 Ohm Coaxial Cable, black PE jacket

Construction Materials	
Center Conductor Material	Copper
Dielectric Material	Foam PE
Inner Shield (Braid) Material	Tinned copper
Inner Shield (Tape) Material	Aluminum
Jacket Material	Non-halogenated PE

Dimensions		
Diameter Over Center Conductor, nominal	1.420 mm	0.056 in
Diameter Over Dielectric, nominal	3.810 mm	0.150 in
Diameter Over Jacket, nominal	6.100 mm	0.240 in
Diameter Over Outer Shield (Braid)	4.520 mm	0.178 in

Electrical Specifications		
Conductor dc Resistance, maximum	11.1 ohms/kft	
dc Resistance Note	Nominal values based on a standard condition of 20°C (68°F)	
Capacitance	79.8pF/m	24.4 pF/ft
Characteristic Impedance	50 ohm	
Characteristic Impedance Tolerance	±3 ohm	
Nominal Velocity of Propagation (NVP)	83%	

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
30 MHz	4,90	1,50
50 MHz	6,20	1,90
150 MHz	10,20	3,10
220 MHz	12,50	3,80
450 MHz	17,40	5,30
900 MHz	24,90	7,60
1800 MHz	35,75	10,90
2500 MHz	42,31	12,90
3000 MHz	46,48	14,17
4000 MHz	53,92	16,44
4500 MHz	57,30	17,47
5000 MHz	60,51	18,45
5200 MHz	61,76	18,83
5500 MHz	63,60	19,39
5800 MHz	66,90	20,40
6000 MHz	73,82	22,50

**Attenuation listed represents maximum values at standard condition of 20°C (68°F)*