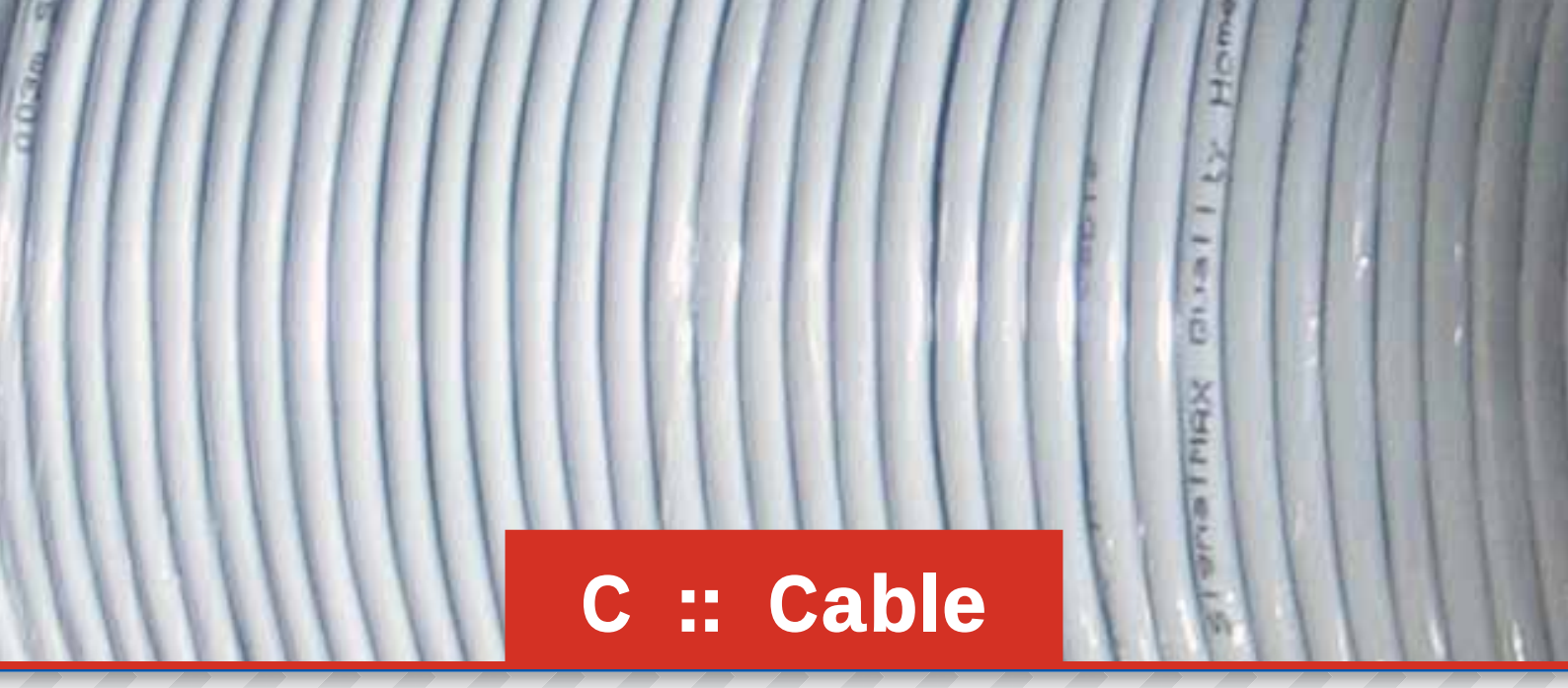

C :: Cable

Contents

28 Newstead Terrace,Newstead Q 4006Australia

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SignalMAX
www.signalmax.com.au

RG59 Coaxial Cable

Quad Shield Coax.

Available Models: SignalMAX

305m Superfeed Carton RG59 Quad Shielded Cable (Black)	CABRG59QSB
305m Superfeed Carton RG59 Quad Shielded Cable (White)	CABRG59QSBW
305m Spool RG59 Dual Shield Messenger Cable	CABRG59M/S60MS

RG59 dual and tri-shield cable no longer meets Australian standards. We recommend RG59 Quad-shield cable be used in domestic digital terrestrial installations to maximise performance and minimise impulse noise interferance.

Technical Specifications

Cable Type	Inner Conductor	Dielectric	Outer Conductor	Jacket	Drum
RG59	0.81mm Copper cladded steel	3.66mm Foamed PE	5.10mm Bonded Aluminium Foil + Aluminium Braid + Un-bonded Aluminium Foil + Aluminium Braid	6.73mm Black PVC	305m Box 305m Drum 100m Spool

Attenuation (dB per 100m)

Frequency (MHz)	55	83	187	211	250	300	350	400	450	500	550	600
RG59	6.73	3.60	11.81	12.47	13.45	14.60	45.75	16.73	17.72	18.70	19.52	20.34

RG6 Coaxial Cable

Tri Shield Coax.

Available Models: SignalMAX

305m Superfeed Carton RG6 Tri Shield Cable (Black)	CABRG6TB

Technical Specifications

Cable Type	Inner Conductor	Dielectric	Outer Conductor	Jacket	Drum
RG6	1.02mm Copper cladded steel	4.57mm Foamed PE	5.60mm Bonded Aluminium Foil + Aluminium Braid + Un-bonded Aluminium Foil	7.06mm Black PVC	305m Box

Quad Shield Coax.

Available Models: SignalMAX

305m Superfeed Carton RG6 Quad Shield Cable (Black) AUSTAR APPROVED	CABRG6QSB
305m Superfeed Carton RG6 Quad Shield Cable (White) AUSTAR APPROVED	CABRG6QSBW
305m Spool RG6 Quad Shield Cable (Black) AUSTAR APPROVED	CABRG6QS
100m Spool RG6 Quad Shield Cable (Black) AUSTAR APPROVED	CABRG6QS100
150m Spool Dual Feed RG6 Quad Shield (Black) (NOT FOXTEL APPROVED)	CABRG6QSD
305m Spool RG6 Quad Shield MESSENGER (Black) (NOT FOXTEL APPROVED))	CABRG6QSM

We recommend RG6 Quad-shield cable be used in all digital terrestrial installations to maximise performance and minimise impulse noise interference.

Technical Specifications

Cable Type	Inner Conductor	Dielectric	Outer Conductor	Jacket	Drum
RG6	1.02mm Copper cladded steel	4.57mm Foamed PE	6.10 Bonded Aluminium Foil + Aluminium Braid + Un-bonded Aluminium Foil + Aluminium Braid	7.54mm Black PVC	305m Box 305m Drum 100m Spool

Attenuation (dB per 100m)

Frequency (MHz)	5	55	212	267	300	336	400	450	565	754	845	1000	1420	2525	3000
RG6	1.8	4.8	9.0	10.2	10.8	11.5	12.7	13.5	15.3	17.9	19.1	20.9	25.1	34.5	37.9

FOXTEL & AUSTAR Approved RG6 Quad Shield Cable

FOXTEL & AUSTAR APPROVED

Available Models:

FOXTEL & AUSTAR Approved RG6 Quad Shield Cable	CABRG6QUADFOXTEL

RG6 Quad shield coaxial cable. FOXTEL & AUSTAR Approved.

RG11 Coaxial Cable

305m Spool RG11 Messenger Cable (Black)

Available Models: SignalMAX

305m Spool RG11 Messengered Cable	CABRG11QSM
305m Spool RG11 Cable	CABRG11QS

Technical Specifications

Cable Type	RG11
Inner Conductor	1.63mm Copper cladded steel
Dielectric	7.11mm Foamed PE
Conductor	8.00mm Bonded Aluminium Foil + Aluminium Braid + Un-bonded Aluminium Foil + Aluminium Braid
Jacket	10.16mm Black PVC
Drum	305m Spool

Attenuation (dB per 100m)

Frequency	55MHz	83MHz	187MHz	250MHz	300MHz	350MHz
	3.15	3.87	5.74	6.72	7.38	7.94
	400MHz	450MHz	500MHz	550MHz	600MHz	750MHz
	8.53	9.02	9.51	9.97	10.43	11.97

RG11 Quad Shield

FOXTEL & AUSTAR APPROVED

Available Models:

RG11 Quad Shieled Cable Black	CABRG11QUAD

RG11 Pay TV approved cable
- FOXTEL & AUSTAR Approved
- The foam dielectric is fully bonded to the first shield.

RG11 Flooded Coaxial Cable

Available Models:

RG11 Flooded Coaxial Cable	CABRG11QUADF

Designed for underground cable runs. Manufactured with a polyisobutylene compound flooded between the first braid and the PVC jacket, eliminating possibility of moisture entering cable. Not suitable for catenary cable systems.

RG11 Quad Shield (AUSTAR)

AUSTAR APPROVED

Available Models:

RG11 Quad Shieled Cable Black (AUSTAR)	CABRG11QUSTAR

RG11 Pay TV approved cable
- AUSTAR Approved
- The foam dielectric is fully bonded to the first shield.

RG11 Flooded Quad Shield (AUSTAR)

AUSTAR APPROVED

Available Models:

RG11 Flooded Coaxial Cable (AUSTAR)	CABRG11QFUSTAR

RG11 Pay TV approved cable
- AUSTAR Approved
- The foam dielectric is fully bonded to the first shield.

Designed for underground cable runs. Manufactured with a polyisobutylene compound flooded between the first braid and the PVC jacket, eliminating possibility of moisture entering cable. Not suitable for catenary cable systems.

Home Theatre Cable

Consisting of ultra-pure oxygen free copper (OFC) conductor and braid, SignalMAX Home Theatre Cables are perfect for professional 75ohm video and audio applications.
Low transmission loss ensures minimal signal loss over long cable runs. High return loss minimises standing wave interference, maintaining signal integrity across the video (SD/HD) bandwidth.

Mini-coax

Available Models: SignalMAX

3 core mini coax ribbon cable 152m spool	AVSMINIRIBBON3
5 core mini coax cable 76m spool	AVS5COREMINI-75
3 core cable - (red green blue) 76m	AVS3COREMINI-75
Clear 305m spool	AVSMINICOAX-C
Purple 305m spool	AVSMINICOAX-P
White 305m spool	AVSMINICOAX-W
Yellow 305m spool	AVSMINICOAX-Y
Black 305m spool	AVSMINICOAX-B

Available in mini-coax (4mm) formats, including structural cable consisting of 3-core and 5-core mini-coax cables.

Construction	Material	Diameter
Inner Conductor	Solid Copper Core	0.58mm
Dielectric	Gas Injected HDPE	2.5mm
Outer Conductor	Tinned Copper Braid	2.85mm
Jacket	PVC	4.03mm
Performance Characteristics		
Impedance	75Ω	
Attenuation dB/100m	@ 10 MHz @ 100 MHz @ 500 MHz @ 1000 MHz @ 2150 MHz @ 3000 MHz	3.9 dB 11.3 dB 24.9 dB 33.2 dB 50.7 dB 61.2 dB
Return Loss Min. dB	5 ~ 1000 MHz 1000 ~ 3000 MHz	23 dB 18 dB

RG59 CCTV Cable

Available Models: SignalMAX

RG59 CCTV Cable CABRG59+FIG8

RG59 cable solid centre wire With 80% Braid With Fig 8 Cable attached.
The specifications are: RG59 • 0.60mm bare copper • foam PE 3.75mm • 80*0.14mm CCAL wire • PVC 6.0mm
• 2*(24*0.2mm CCAL wire/PE jacket2.6)
• jacket 5.1mm.

RG6 Home Theatre Cable

Available Models: SignalMAX

RG6 Home Theatre Cable AVSRG6

Excellent for custom flyleads and interconnects
- Available in 150m Spool packed inside easy reel box.
- Made with ultra-pure Oxygen Free Copper.

AVSRG6 Specifications

Construction	Material	Diameter
Inner Conductor	Pure Oxygen Free Copper (OFC)	1.02mm
Dielectric	Physical Foam Polyethylene	4.57mm
Outer Conductor	Pure OFC Braid	5.40mm
Jacket	Polyethylene	7.54mm
Performance Characteristics		
Impedance	75Ω	
Attenuation dB/100m	@ 10 MHz @ 100 MHz @ 500 MHz @ 1000 MHz	2.1 dB 5.8 dB 14.0 dB 21.9 dB
Return Loss Nom. dB	@ 10 MHz @ 100 MHz @ 500 MHz @ 1000 MHz	29 dB 28 dB 27 dB 16 dB

RG59 Home Theatre Cable

Available Models: SignalMAX

RG59 Home Theatre Cable AVSRG59

Excellent for custom flyleads and interconnects
- Available in 150m Spool packed inside easy reel box.
- Made with ultra-pure Oxygen Free Copper.

AVSRG59 Specifications

Construction	Material	Diameter
Inner Conductor	Pure Oxygen Free Copper (OFC)	0.81mm
Dielectric	Physical Foam Polyethylene	3.66mm
Outer Conductor	Pure OFC Braid	4.40mm
Jacket	Polyethylene	6.10mm
Performance Characteristics		
Impedance	75Ω	
Attenuation dB/100m	@ 10 MHz @ 100 MHz @ 500 MHz @ 1000 MHz	2.8 dB 9.4 dB 22.0 dB 32.9 dB
Return Loss Nom. dB	@ 10 MHz @ 100 MHz @ 500 MHz @ 1000 MHz	26 dB 24 dB 20 dB 15 dB

2 Core Silver Coated OFC Speaker Cable

Available Models:

2 Core Silver Coated OFC Speaker Cable 50M AVSSPK2HPOFC

High Performance Oxygen Free Silver Coated cable. Clear Jacket. 50m plastic spool. AWG9.

2 Core Speaker Cable 16 Gauge 152m Long

Available Models:

2 Core Speaker Cable 13 guage 152m AVSSPK2PREMOFC

2 Core Speaker Cable Pearlised White Oxygen Free premium speaker cable, 152m plastic spool. AWG13.

2 Core OFC Speaker Cable

Available Models: SignalMAX

2 Core Speaker Cable OFC Yellow Jacket AVSSPK2OFC
2 Core 17AWG OFC Speaker Cable 80m spool AVSSPK280

Oxygen Free Copper, 2 core cable, yellow jacket, 152m plastic spool. AWG15.

4 Core OFC Speaker Cable

Available Models: SignalMAX

4 Core Speaker Cable AVSSPK4OFC

Oxygen Free Copper, 4 core cable, yellow jacket, 152m plastic spool. AWG15.

Data Comms

CAT5e UTP Lan Cable 305m

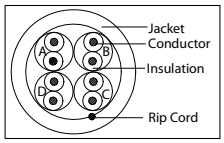
Available Models: SignalMAX

Cat5e UTP Lan Cable 305m

CABCAT5EBLUE,CABCAT5EGREY, CABCAT5EYELLOW, CABCAT5EWHITE, CABCAT5ERED, CABCAT5EGREEN, CABCAT5EORANGE, CABCAT5EPURPLE

Available Colours

Excellent for custom installations • Available in 305m super feed box.



Specifications

Construction	
Conductor: Solid Copper Core	
AWG	24
Conductor Dia. (mm)	.475
Insulation: PE	
Average Thickness(mm)	0.203
Min. Point Thickness (mm)	0.185
Insulation Dia (+/-0.01mm)	0.88
Twisted Pair Dia.(+/-0.02mm)	1.76
Assembly Dia. (+/-0.1mm)	3.60
Jacket (CM, CMR is optional):PVC	
Average Thickness(mm)	0.60
Min. Point Thickness (mm)	0.55
Outer Dia (+/-0.2mm)	5.00

Electrical Characterisitcs	
1.0 ~ 100MHz Impedance	100 +/- 15 (ohms)
1.0 ~ 350MHz Delay Skew	<=45 (ns/100m)
Pair-to-ground Capacitance Unbalance	<=330 (pF/100m)
Max. Conductor DC Resistance 20°C	93.8 (ohms/km)
Resistance Unbalance	<=5 (%)

Electrical Characteristics

Frequency (MHz)	Return Loss (min dB)	Atenuation (Max)	NEXT (min dB)
0.772	19.4	1.8	67.0
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
10	25.0	6.5	50.3
16	25.0	8.2	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17.0	38.4
100	20.1	22.0	35.3

Electrical Characteristics

Frequency (MHz)	PSNEXT (min dB)	ELFEXT (min dB/100m)	PSELFEXT (min dB/100m)	Delay (max ns/100m)
0.772	64.0	66.0	63.0	575.0
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
10	47.3	43.8	40.8	545.4
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
25	41.3	35.8	32.8	541.2
31.25	39.9	33.9	30.9	540.4
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6

Shielded CAT5 FTP Lan Cable 305m (Blue)

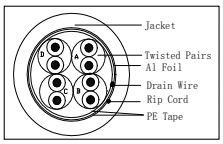
Available Models: SignalMAX

Shielded CAT5 FTP Lan Cable 305m (Blue) CABCAT5SHIELD

Available Colours

"Shielded FTP reduces EMR interference and crosstalk for high-rate data and high bandwidth video & RF applications."

SignalMAX Cat5e shielded FTP LAN cable is UL certified and is supplied in quality packaging that ensures smooth cable release.
Available in blue, SignalMAX Cat5e shielded cable has count down meter marking for your convenience.



Specifications

Construction	
Conductor: Solid Copper Core	
AWG	24
Conductor Dia. (mm)	.515
Insulation: PE	
Average Thickness (mm)	0.228
Min. Point Thickness (mm)	0.205
Insulation Dia (+/-0.01mm)	0.97
Twisted Pair Dia. (+/-0.02mm)	1.94
PE-Tape (mm) Al Foil Shield (mm)	
Drain wire (solid tinned copper) Dia.	0.40
Assembly Dia. (+/-0.1mm)	4.95
Jacket (CM, CMR is optional):PVC	
Average Thickness(mm)	0.60
Min. Point Thickness (mm)	0.55
Outer Dia (+/-0.2mm)	6.15

Electrical Characterisitcs	
1.0 ~ 100MHz Impedance	100 +/- 15 (ohms)
1.0 ~ 350MHz Delay Skew	<=45 (ns/100m)
Pair-to-ground Capacitance Unbalance	<=330 (pF/100m)
Max. Conductor DC Resistance 20°C	93.8 (ohms/km)
Resistance Unbalance	<=5 (%)

Electrical Characteristics

Frequency (MHz)	Return Loss (min dB)	Atenuation (Max)	NEXT (min dB)
0.772	19.4	1.8	67.0
1	20.0	2.0	65.3
4	23.0	4.1	56.3
8	24.5	5.8	51.8
10	25.0	6.5	50.3
16	25.0	8.2	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	42.9
62.5	21.5	17.0	38.4
100	20.1	22.0	35.3

Electrical Characteristics

Frequency (MHz)	PSNEXT (min dB)	ELFEXT (min dB/100m)	PSELFEXT (min dB/100m)	Delay (max ns/100m)
0.772	64.0	66.0	63.0	575.0
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
10	47.3	43.8	40.8	545.4
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
25	41.3	35.8	32.8	541.2
31.25	39.9	33.9	30.9	540.4
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6

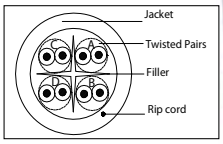
CAT6 UTP Lan Cable 305m (Blue)

Available Models: SignalMAX

Cat6 UTP Lan Cable 305m CABCAT6BLUE

Available Colours

SignalMAX Cat6 UTP LAN cable is UL certified and is supplied in quality packaging that ensures smooth cable release.
Available in blue, SignalMAX Cat6 cable has count down meter marking for your convenience.



Specifications

Construction	
Conductor: Solid Copper Core	
AWG	23
Conductor Dia. (mm)	.575
Insulation: PE	
Average Thickness(mm)	0.222
Min. Point Thickness (mm)	0.198
Insulation Dia (+/-0.01mm)	1.02
Twisted Pair Dia.(+/-0.02mm)	2.04
Separator	PE
Assembly Dia. (+/-0.1mm)	5.00
Jacket (CM, CMR is optional):PVC	
Average Thickness(mm)	0.60
Min. Point Thickness (mm)	0.50
Outer Dia (+/-0.2mm)	6.20

Electrical Characterisitcs	
1.0 ~ 100MHz Impedance	100 +/- 15 (ohms)
1.0 ~ 350MHz Delay Skew	<=45 (ns/100m)
Pair-to-ground Capacitance Unbalance	<=330 (pF/100m)
Max. Conductor DC Resistance 20°C	95 (ohms/km)
Resistance Unbalance	<=5 (%)

Electrical Characteristics

Frequency (MHz)	Return Loss (min dB)	Atenuation (Max)	NEXT (min dB)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3

Electrical Characteristics

Frequency (MHz)	PSNEXT (min dB)	ELFEXT (min dB/100m)	Delay (max ns/100m)
0.772	74.0	70.0	-
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.2	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.4	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0