



BC85084



BC85085



BC85087



BC85120



RG6 FTA/SAT Quad Shield Cable

BC85084	305m Reel
BC85085	305m Box
BC85087	100m Reel
BC85120	30m Reel

FEATURES:

- Quad Shield Cable for top signal quality and low interference
- Low attenuation loss for optimal HDTV viewing
- Marked per meter for easy identification
- Built for Australian weather and above-ground use
- 75Ω impedance, ideal for DTV tuners and devices
- Copper clad solid steel core for strength and performance
- Rated from 5MHz-3,000MHz for terrestrial and satellite needs
- Flame Resistant, UV stable PVC jacket for durability

ELECTRICAL SPECIFICATIONS

CABLE TYPE	Coaxial Cable
CABLE CLASS	RG6 Quad Shield
IMPEDANCE	75Ω
MINIMAL RETURN LOSS	>20dB 5MHz-3000MHz
VELOCITY OF PROPAGATION	≥82%
RESISTANCE (MAX.)	DC 102.0Ω/km @ 20°C (Centre Conduit) DC 121.1Ω/km @ 20°C (Loop)
DIELECTRIC BREAKDOWN	1000VAC rms @60Hz for 1min (Voltage Withstand)
JACKET SPARK TEST	Integrity withstands a minimum 2.5kV rms
MINIMUM AMPACITY IN BOTH CONDUCTORS	@20°C ambient temp. - 8 Amperes @40°C ambient temp. - 6 Amperes
TRANSFER IMPEDANCE	Per IEC62153-4-4 triaxial method
FOXTEL IPL APPROVAL	#F31020 (BC85084), #F31019 (BC85085), #F31021 (BC85087), #F31070 (BC85120)
PACKAGING	Wooden Reel (BC85084, BC85087, BC85120) Smart Reel Box (BC85085)
WARRANTY	1 Year

FOR MORE INFORMATION:

☎ 1300 601 915 ✉ orders@bitek.com.au 🌐 www.bitek.com.au

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NOM. ATTENUATION @ 20°C

FREQUENCY (MHz) - ATTENUATION (dB/100m)	
5MHz - 1.9dB/100m	550MHz - 16.08dB/100m
55MHz - 5.25dB/100m	600MHz - 16.73dB/100m
211MHz - 10dB/100m	750MHz - 18.54dB/100m
250MHz - 10.84dB/100m	870MHz - 20.04dB/100m
270MHz - 11.04dB/100m	1,000MHz - 21.49dB/100m
300MHz - 11.64dB/100m	1,300MHz - 24.49dB/100m
330MHz - 12.26dB/100m	1,450MHz - 25.89dB/100m
350MHz - 12.63dB/100m	1,750MHz - 28.67dB/100m
400MHz - 13.61dB/100m	2,150MHz - 31.79dB/100m
450MHz - 14.43dB/100m	2,600MHz - 35.3dB/100m
500MHz - 15.29dB/100m	3,000MHz - 38.84dB/100m

PHYSICAL CHARACTERISTICS

CENTRE CONDUCTOR (O/D)		Copper Cad Steel (Ø 1.02mm±0.01mm)
CONDUCTIVITY		>18% IACS
DIELECTRIC MATERIAL (O/D)		Gas injected foamed Polyethylene (Ø 4.57mm ±0.10mm)
SHIELDING	FIRST	AL/Pet/AL Bonded Foil Tape (81.28µm max.)
	SECOND	Aluminium Wires (Ø 34AWG - 5154A) 43,000psi Min. Tensile per strand Min. 60% braid coverage
	THIRD	AL/Pet/AL Non-Bonded Foil Tape (81.28µm max.)
	FOURTH	Aluminium Wires (Ø 34AWG) 43,000psi Min. Tensile per strand Min. 40% braid coverage
JACKET (O/D)		Black PVC (Ø 7.54mm ±0.20mm)

MECHANICAL SPECIFICATIONS

TEMPERATURE RATING	-20°C to +70°C
MINIMUM STATIC BEND	70mm
CORE OVALITY OVER THE FIRST SHIELD	<0.33mm
CENTRE CONDUCTOR MIN. BREAK STRENGTH	65.3kgf
CENTRE CONDUCTOR BOND TO DIELECTRIC	Minimum 2.3kg
COLD BEND TEST	PVC Jacket @ -40°C (no visible damage)
WITHSTAND IMPACT TEST	PVC Jacket @ -15°C (without damage to jacket)
THERMAL OXIDATIVE STABILITY	Tests carried out per ASTM D 4565
UV STABILITY	per UL1581 paragraph 1200
FLAMMABILITY TEST (COMBUSTION PROPAGATION)	Comply with AS/NZS 1660.5.6:2005, as per AS/ACIF S008:2006
JACKET LONGITUDINAL SHRINKAGE	<5% of length under test, when tested per ANSI/SCTE 88