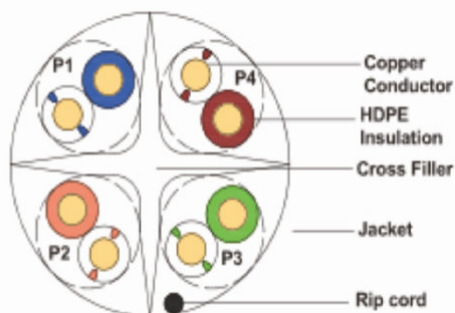


## 4 PAIR GREY UTP CAT6 CABLE BOX 305Mtr

Type		U/UTP CAT6 4*2*23 AWG PVC	
Structure		Structure A	
Conductors	Structure AWG	AWG	23# (1/23)
	Material	---	Solid Bare Copper
	Diameter	mm	Ø 0.57 +/-0.005
Insulation	Material	---	HDPE
	Diameter	mm	Ø 0.95 +/-0.02
	Average Thickness	mm	0.205 +/-0.05
Twist	Direction	---	S
Shielding 1	Material	---	---
	Conductive Side	---	---
	Overlap Rate	---	---
Layer	Direction	---	S
Fillers	Material	---	PE
	Size	---	Cross Filler
Shielding 2	Material	---	---
	Conductive Side	---	---
	Overlap Rate	---	---
Shielding 3	Shield	mm	---
	Material	mm	---
	Overlap Rate	---	---
Jacket	Material	---	PVC
	Diameter		Ø 6.0 +/-0.2
	Average Thickness		Ø 6.0 +/-0.1
	Colour		GREY
	Marking Colour		BLACK
	Marking		---

Contruction:



Core:

P1: White / Blue-Blue

P2: White / Orange-Orange

P3: White / Green-Green

P4: White / Brown-Brown

**PART NUMBER: AS-GN0002**

Technical Support: 1300 732 254

Web: [www.grovecoms.com.au](http://www.grovecoms.com.au)

Unit 3&4, 15 Drake Street, Osborne Park WA 6017

Your Australian Connection

## 4 PAIR GREY UTP CAT6 CABLE BOX 305Mtr

Mechanical Characteristics								
1. Cable under the minimum tension					≥ 400N			
2. Conductor elongation					≥ 15%			
3. After Aging								
Tensile Strength					≥ 13.5Mpa			
Elongation					≥ 150%			
4. Before Aging								
Tensile Strength					≥ 16Mpa			
Elongation					≥ 300%			
Electrical Characteristics								
1. Impedance					1-250MHz 100±15 (ohms)			
2. Rated Temperature					75°C			
3. D-C Resistance Unbalance (%)					Max 2.5			
4. D-C Resistance 20°C					97 (ohms/KM)			
5. Pair-to-Ground Capacitance Unbalance					330 (pF/100M)			
6. Insulation Resistance					>5000 MΩKM			
7. Dielectric Strength					DC 2500V 2S			
Nominal Transmission Characteristics								
Frequency	RI	ATT	DOP	SWK	NEXT	PSNEXT	ELFEXT	PSELFEXT
(Mhz)	(dB)	(dB/100M)	(ns)	(ns)	(dB)	(dB)	(dB)	(dB)
1	20.0	2.2	570	45	74.3	72.3	67.8	64.8
4	23.0	4.2	552	45	65.2	63.2	55.7	52.7
10	25.0	6.4	545	45	59.3	57.3	47.8	44.8
16	25.0	8.2	543	45	56.2	54.2	43.7	40.7
20	25.0	9.2	542	45	54.7	52.7	41.7	38.7
31.25	23.6	11.5	540	45	51.8	49.8	37.9	34.9
62.5	21.5	16.6	538	5	47.3	45.3	31.8	28.8
100	20.1	21.5	537	45	44.3	52.3	27.8	24.8
200	18.0	30.6	536	45	39.7	37.7	21.7	18.7
250	17.3	34.5	535	45	38.3	36.3	19.8	16.8
Note: The above transmission performance for the 100M, 20 ± 2°C under the conditions tested								

**PART NUMBER: AS-GN0002**

Technical Support: 1300 732 254

Web: [www.grovecoms.com.au](http://www.grovecoms.com.au)

Unit 3&4, 15 Drake Street, Osborne Park WA 6017

Your Australian Connection