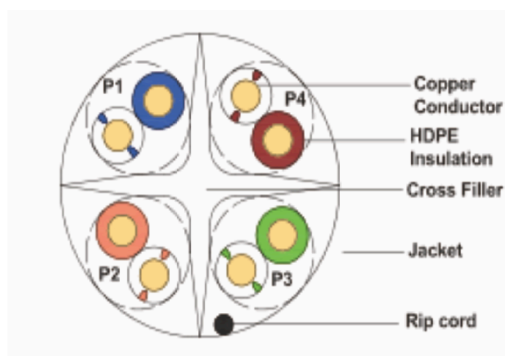


Part Number: AS-GN0002
Description: 4 PAIR UTP CAT6 CABLE BOX 305Mtr

The 4 Pair Grey UTP Cat6 Cable Box (305Mtr) is a high-quality Category Cat6 (Category 6) solid conductor backbone cable designed for home and business networking applications. With a length of 305 meters, this cable is suitable for various installations. Specifically engineered for compatibility with GROVE Cat6 connectivity components, it ensures reliable and high-performance data transmission.

PART NUMBER	DESCRIPTION	COLOUR
AS-GN0002	GROVE 4 Pair Grey UTP Cat6 Cable Box 305Mtr	GREY
AS-GN0008	GROVE 4 Pair Blue UTP Cat6 Cable Box 305Mtr	BLUE
AS-GN0009	GROVE 4 Pair Green UTP Cat6 Cable Box 305Mtr	GREEN
AS-GN0010	GROVE 4 Pair Yellow UTP Cat6 Cable Box 305Mtr	YELLOW
AS-GN0011	GROVE 4 Pair Orange UTP Cat6 Cable Box 305Mtr	ORANGE
AS-GN0013	GROVE 4 Pair Purple UTP Cat6 Cable Box 305Mtr	PURPLE



Core:
P1: White / Blue-Blue
P2: White / Orange-Orange
P3: White / Green-Green
P4: White / Brown-Brown



Technical Support: 1300 732 254

 Web: www.grovecoms.com.au

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

Part Number: AS-GN0002

Description: 4 PAIR 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



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Part Number: AS-GN000

Description: 4 PAIR 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	---	---
Layer	Overlap Rate	---	---
	Direction	---	S
Fillers	Material	---	PE
	Size	---	Cross Filler
Shielding 2	Material	---	---
	Conductive Side	---	---
	Overlap Rate	---	---
Shielding 3	Shield	mm	---
	Material	mm	---
Jacket	Overlap Rate	---	---
	Material	---	PVC
	Diameter		Ø 6.0 +/-0.2
	Average Thickness		Ø 6.0 +/-0.1
	Colour		GREY
	Marking Colour		BLACK
	Marking		---



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