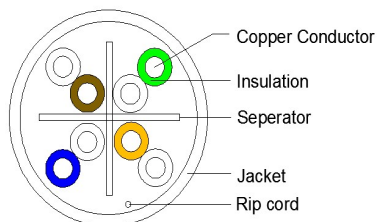


Item NO.:21.15.1684

**TECHNICAL DATA SHEET**

**ROLINE Cat.6A UTP Solid Lan Cable, PVC jacket, 100m, grey**



Insulation / Pairs Color			
Pairs #	Color	Pairs #	Color
1	White/Blue; Blue	2	White/orange; Orange
3	White/Green; Green	4	White/Brown; Brown

**CABLE DESCRIPTION**

1-CONDUCTOR	PARAMETER	UNIT	VALUE
TYPE:SOLID-Bare copper	Max.linear tesistance.	Ω/km	≤80
DIAMETER:0.57mm±0.008mm	Mutual capacity(nom.)	pF/m	56
AWG:23	Unbalance capacity max (p/p at 1 KHz)	pF/km	1600
2-INSULATION	Characteristic impedance (1 at 250 MHz)	Ω	100±15
TYPE:PE	(251 at 500MHz)		100±22
DIAMETER:1.03mm±0.03mm	VELOCITY OF PROPAGATION (f>1MHz)	%of c	66
3-SYNTHETICAL SEPARTION FOIL: polyester	<b>Marking</b>		
4-DRAIN WIRE:NO			
5-SHIELDING:NO	roline CAT6A U/UTP 23AWG ISO/IEC 11801 & EN50173 & ANSI/TIA 568C.2 PVC XXXM		
6-RIP CORD YES			
7-OUTER JACKET			
TYPE: PVC			
COLOUR: Grey			
THICKNESS: 0.6mm±0.05mm			
EXTERNAL DIAMETER: 6.4mm±0.3mm			

**ELECTRICAL CHARACTERISTICS**

Frequency (MHz)	Return loss(dB)	Attenuation (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)
4	23.0	3.5	64.1	61.8	56.0	53.0
8	24.5	5	59.4	57	49.9	46.9
10	25.0	5.5	57.8	55.5	48.0	45.0
16	25	7	54.6	52.2	43.9	40.9
20	25	7.8	53.1	50.7	42.0	39.0
25	24.3	8.8	51.5	49.1	40.0	37.0
31.25	23.6	9.8	50	47.5	38.1	35.1
62.5	21.5	14	45.1	42.7	32.1	29.1
100	20.1	18	41.8	39.3	28.0	25.0
200	18.0	26.1	36.9	34.3	22.0	19.0
250	17.3	29.5	35.3	32.7	20.0	17.0
350	17.3	35.6	31.8	29.1	17.1	14.1
500	17.3	43.8	26.7	23.8	14.0	11.0

**OTHER CHARACTERISTICS**

- CPR Eca verified
- ROHS 2.0 & REACH Compliant

