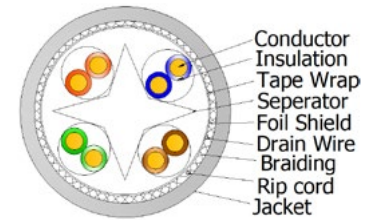


Description:

Shielded Twisted Pair Cable (S/FTP), Category 6, 4 Pairs, solid LSZH, 305m box - Blue


Specification:

ITEM		UNIT	Description			
Conductor	Wire No.	/	4P			
	Material	/	Bare Copper			
	Size	AWG	23			
	Diameter	mm	0.56±0.01			
Insulation	Material	/	Skin-foam-skin PE			
	Colour	/	Blue/White-Blue	Orange/White-Orange	Green/White-Green	Brown/White-Brown
	Diameter	mm	1.18±0.05	1.15±0.05	1.16±0.05	1.15±0.05
Separator	/	/	Yes			
Tape Wrap	Material	/	PET 100% Coverage			
Foil Shield	Material	/	AL-Mylar 100% Coverage			
Drain Wire	Material	/	Tinned copper			
	Size	mm	0.4±0.05			
Braid Shield	Material	/	Al-Mg ≥40&Coverage			
Rip cord						
Jacket	Material	/	LSZH			
	Colour	/	According Customer Requirement			
	Diameter	mm	8.0±0.5			

Electrical properties:

Operating temperature	-20~75°C
Minimum bending radius	8×Cable OD
Jacket Elongation at break	≥100%
Jacket Tensile strength	≥9MPa
Jacket Aging conditions	100°CX168h
Jacket Elongation at break After Aging	≥50% Before Aging
Jacket Tensile Strength After Aging	≥70% Before Aging

Electrical properties:

Working capacity	$\leq 5.6\text{nF}/100\text{m}(@1\text{kHz})$
Capacitive unbalance to earth	$\leq 160\text{pF}/100\text{m}$
Delay skew	45ns/100m
Maximum conductor resistance	93.8 Ω /km
The maximum electric balance of the conductor	5% (@20°C)
Minimum insulation resistance	5000M Ω .km
Impedance: 1-100MHz	100 \pm 15 Ω
100-250MHz	100 \pm 25 Ω

High Frequency Electrical performance:(at 20°C 100m)

Frequency (MHz)	ATT (\leq dB)	NEXT (\leq dB)	PSNEXT (\leq dB)	ELFEXT (\leq dB)	PS ELFEXT (\leq dB)	RL (\leq dB)	Note
1.00	3.0	65.0	62.0	63.3	60.3	19.0	Spread out 100m cable and test it
4.00	4.0	63.0	60.5	51.2	48.2	19.0	
8.00	5.7	58.2	55.6	45.2	42.2	19.0	
10.00	6.3	56.6	54.0	43.3	40.3	19.0	
16.00	8.0	53.2	50.6	39.2	36.2	18.0	
20.00	9.0	51.6	49.0	37.2	34.2	17.5	
25.00	10.1	50.0	47.3	35.3	32.3	17.0	
31.25	11.4	48.4	45.7	33.4	30.4	16.5	
62.50	16.5	43.4	40.6	27.3	24.3	14.0	
100.00	21.3	39.9	37.1	23.3	20.3	12.0	
200.00	31.5	34.8	31.9	17.2	14.2	9.0	
250.00	35.9	33.1	30.2	15.3	12.3	8.0	

Ordering Info:

Part No.	Description
100102SFTP	Shielded Twisted Pair Cable (S/FTP), Category 6, 4 Pairs, solid LSZH, 305m box - Blue