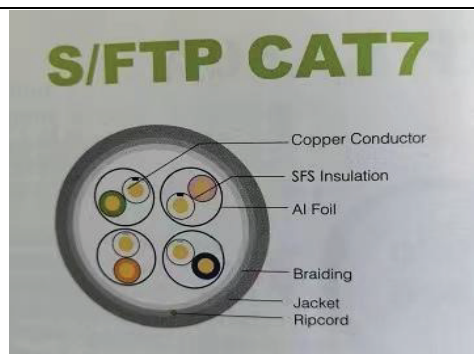


TURNSTONE CABLES, INC.

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LAN CABLE UTP CAT7 SFTP 4PR 23AWG

Product Description: Bare solid copper conductor Rated temperature: 60°C, 75°C, 90°C Reference Standard:UL444,UL13, IEC60332 Complies to TIA/EIA-568C&ISO/IEC 11801 IEC61156, EN50288		Application: VOLP, ISDN, Token, 100MTPPDM Analog and DataVideo, TR-16Active and Passive 155M/662m/1.2GATM&IEEE802.3:100Base 100Base-T, 1000Base-T, 10GBase-T	
Category	UTP CAT7 SFTP 4PR 23AWG		
Conductor	Material	Bare solid copper	
	Nom.O.D(mm)	0.565±0.005mm	
Insulation	Material	FORM PE	
	Diameter	1.38±0.03mm	
Core Color	1 White-Blue/Blue	2 White-Orange/ Orange	
	3 White-Green/Green	4 White-Brown/ Brown	
Rip-cord	Yes		
Shield 1	Each pair	Al foil	
Shield 2	Total 4 pairs	Al-Mg Braiding (45-50%)	
Sheath	Material	PVC CMP level	
	Color	Per request	
	Nom.O.D(mm)	7.8±0.1mm	
		Electrical Characteristics (20)	Capacitance(nF/100m)max: 5.6
			DC Resistance(Ω/100m) max :9.38
			NVP 69%
			1.0-250.0MHz Impedance(Ω) 100±15
			1.0-250.0MHz Delay Shew (ns/100m) ≤45
		DC Conductor Resistance Unbalance(%)max : 5.0	



Electrical Characteristics

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB)	Return loss (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)
1	2.0	78.0	75.0	20	78.0	75.0
4	3.7	78.0	75.0	23	78.0	75.0
10	5.9	78.0	75.0	25	74.0	71.0
16	7.5	78.0	75.0	25	69.9	66.9
20	8.4	78.0	75.0	25	68.0	65.0
31.25	10.4	78.0	75.0	23.6	64.1	61.1
62.5	14.9	75.5	72.5	21.5	58.1	55.1
100	19.1	72.4	69.4	20.1	54.0	51.0
200	27.6	67.9	64.9	18	48.0	45.0
250	31.0	66.5	63.5	17.3	46.0	43.0
300	34.2	65.3	62.3	17.3	44.5	41.5
400	40.0	63.4	60.4	17.3	42.0	39.0
500	45.3	61.9	58.9	17.3	40.0	37.0
600	50.1	60.8	57.8	17.3	38.4	35.4