

CAT7



Cat7 Plenum Shielded Solid Bare Copper

SKU: RCT-C7P-SBC

23AWG • 4 Twisted Pairs • CMP •
S/FTP 850MHz •
Solid Bare Copper



Packaging Available
•1000ft Reel

Jacket Colors



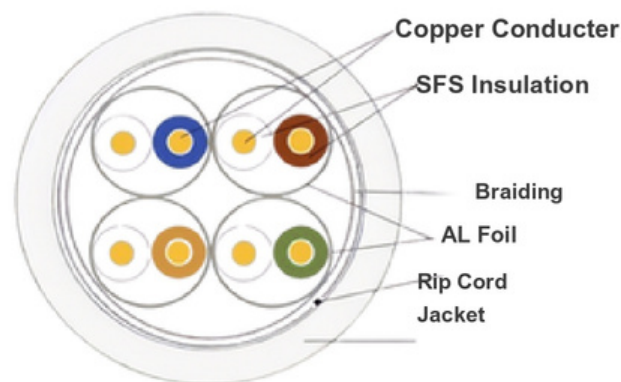
CAT7 SHIELDED (S/FTP)

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 Analong and
DataVideo, TR-16Active and Passive
155M/662m/1.2GATM&IEEE802.3:100Base 100Base-T,
1000Base-T, 10GBase-T

Category	UTP CAT7 FFTP 4PR 23AWG	
Conductor	Material Nom.O.D(mm)	Bare solid copper 0.565±0.005mm
Insulation	Material Diameter	FORM PE 1.38±0.03mm
Core Color	1 White-Blue/Blue 3 White-	2 White-Orange/ 4 White-Brown/Brown
Rip-cord	Yes	
Shield 1	Each pair	Al foil
Shield 2	Total 4 pairs	thicker Al foil
Drain wire	Material Nom.O.D(mm) Material	Tinned copper 0.4±0.005mm PVC CMP level Per request
Sheath	color Nom.O.D(mm)	Per request 7.8±0.1mm

S/FTP CAT7



**Electrical
Characteristics
(20°C)**

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)

DC Conductor Resistance
Unbalance(%)max : 5.0



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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	68.8	65.8
20	8.4	78.0	75.0	25	67.8	64.8
31.25	10.4	78.0	75.0	23.6	64.1	61.1
62.5	14.9	75.6	72.4	21.5	58.1	55.1
100	19.1	72.4	69.4	20.1	53.2	50.2
200	27.6	67.9	64.9	18	48.0	45.0
250	30.9	66.6	63.6	17.3	46.0	43.0
300	34.2	65.3	62.3	17.3	44.5	41.5
400	40.1	63.0	60.0	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



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Test Report

Test Information

Test Time : 2021/10/24 03:05:39	Temperature:21.5C
Standard:IEC 61156-5 CAT7	Test Result:Pass
Cable Length:305m	Cable Type:FFTP4 CAT7 BC-TS
Tester:LI	Cable ID:

Test Result List

Test Item	Unit	Test Result
Attenuation Delay	dB/100m	Pass
Delay Skew Input	ns/100m	Pass
Impedance Return	ns/100m	Pass
Loss NEXT PS	Ohm	Pass
NEXT EL FEXT PS	dB	Pass
EL FEXT	dB@100m	Pass
	dB@100m	Pass
	dB@100m	Pass
	dB@100m	Pass

