

CAT7


Cat7 Plenum Shielded Solid Bare Copper

SKU: RCT-C7P-SFFTP-BC

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


 Packaging Available
 •1000ft Reel

Jacket Colors

CAT7 SHIELDED (F/FTP)

Product Description:

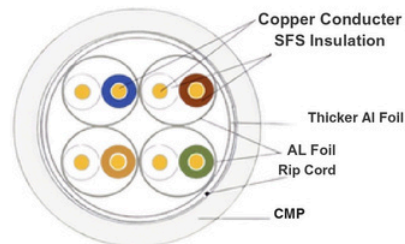
Bare solid copper conductor Rated temperature:
 60°C, 75°C, 90°C Reference Standard:UL444,UL13,
 IEC60332 Complies to TIA/EIA-568C&ISO/IEC 11801
 IEC61156, EN50288

Application:

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

Category	CAT7 FFTP 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/
	3 White-	4 White-Brown/Brown
Rip-cord	Yes	
Shield 1	Each pair	Al foil
Shield 2	Total 4 pairs	Thicker Al Foil
Drain wire	Material	Tinned copper
	Nom.O.D(mm)	0.4±0.005mm
	Material	PVC CMP level
		Per request
Sheath	color	Per request
	Nom.O.D(mm)	7.8±0.1mm

F/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

