

Cat 7 SFTP

Product Highlights

- RoHS compliant
- Tested to 600 MHz
- Compliant to ISO 11801 Class F (Category 7) Requirements.
- Conductor pairs are individually wrapped in foil.
- Overall braid

Packaging

- 1,000 foot (305m) reels

Applications

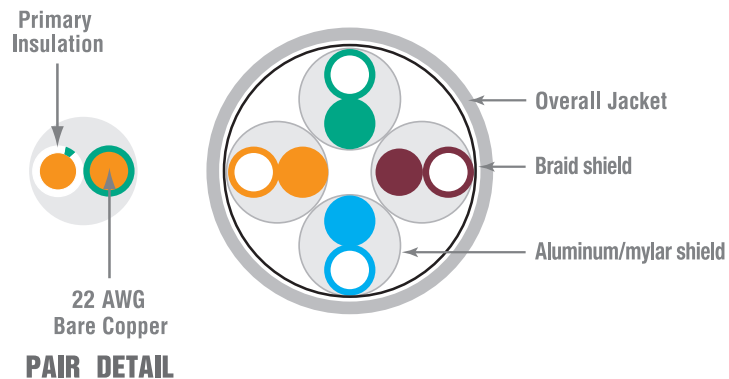
- Including:
 - 10G Base-T 10 Gigabit Ethernet
 - Single cable support of multiple applications such as Ethernet, CATV, Analog voice and VOIP
 - Future applications beyond 10 Gb/s
 - POE
 - POE+

Cat 7 (Plenum)

(cUL)us Listed Type CMP, CSA Type FT6)

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT	
		in.	mm	lbs/1000ft	kg/305m
30245-8	4	.33	8.50	62.27	28.25

Features



DIELECTRIC MATERIALS	PLENUM
Primary Insulation	FEP
Overall Jacket	Low-smoke, flame-retardant thermoplastic

HCM reserves the right to revise any specifications.

SFTP Category 7

SFTP
Copper

Electrical Characteristics

Maximum resistance unbalance	2%
Maximum capacitance unbalance	160 pF/100 meters
Maximum delay skew	45 ns/100 meters
Nominal velocity of propagation (NVP)	60%

Transmission Specifications

ISO/IEC 11801, 2nd ed. Category 7A Compliant

Freq. (MHz)	Ins. Loss	NEXT	PS NEXT	ACR	PSACR	ACRF	PS ACRF	TCL	ELTCTL	Return Loss	CA (Type2)
	Max	Min	Min	Ca. Min	Ca. Min	Min	Min	Min	Min	Min	Min
1	2.0	78.0	75.0	76.0	73.0	78.0	75.0	40.0	35.0	20.0	-
4	3.7	78.0	75.0	74.3	71.3	78.0	75.0	34.0	23.0	23.0	-
8	5.2	78.0	75.0	72.8	69.8	77.2	74.2	31.0	16.9	24.5	-
10	5.9	78.0	75.0	72.1	69.1	75.3	72.3	30.0	15.0	25.0	-
16	7.4	78.0	75.0	70.6	67.6	71.2	68.2	28.0	10.9	25.0	-
20	8.3	78.0	75.0	69.7	66.7	69.3	66.3	27.0	9.0	25.0	-
25	9.3	78.0	75.0	68.7	65.7	67.3	64.3	26.0	7.0	24.3	-
30	10.2	78.0	75.0	67.8	64.8	65.8	62.8	25.2	5.5	23.8	55.0
31.25	10.4	78.0	75.0	67.6	64.6	65.4	62.4	25.1	-	23.6	55.0
62.5	14.9	75.5	72.5	60.6	57.6	59.4	56.4	22.0	-	21.5	55.0
100	19.0	72.4	69.4	53.4	50.4	55.3	52.3	20.0	-	20.1	55.0
200	27.5	67.9	64.9	40.4	37.4	49.3	46.3	17.0	-	18.0	49.0
250	31.0	66.4	63.4	35.5	32.5	47.3	44.3	16.0	-	17.3	47.0
300	34.2	65.2	62.2	31.1	28.1	45.8	42.8	-	-	17.3	45.5
400	40.0	63.4	60.4	23.4	20.4	43.3	40.3	-	-	17.3	43.0
500	45.3	61.9	58.9	16.7	13.7	41.3	38.3	-	-	17.3	41.0
600	50.1	60.7	57.7	10.6	7.6	39.7	36.7	-	-	17.3	39.4

**All values are dB/100 m.

