

Supra 10GTM FUTP

Product Highlights

- RoHS compliant
- Tested from 1 to 500 MHz
- UL Verified Category 6A
- Small O.D. allows more cables per conduit

Packaging

- 1,000 foot (305m) reels

Options

- Available in ISOH
- Available in a 4-pair construction

Applications

- Including:
 - 10G BASE-T 10 Gigabit Ethernet
 - 1000 BASE-T Gigabit Ethernet
 - 1000 Mbps ATM
 - 622 Mbps ATM
 - 100 BASE-T Ethernet
 - Broadband Video
 - POE
 - POE+

Category 6A FUTP (Plenum)

(c(UL)us Listed Type CMP, CSA Type FT6)

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT lbs/1000ft	kg/305m
		in.	mm		
30233-8	4	.29	7.37	40.0	18.2

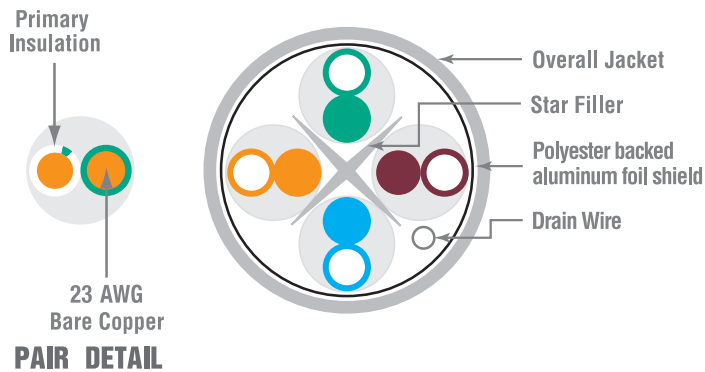
Category 6A FUTP (Riser)

(c(UL)us Listed Type CMR, CSA Type FT4)

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT lbs/1000ft	kg/305m
		in.	mm		
30234-8	4	.29	7.37	36.0	16.2

To build a complete HCM part number, visit page 100.

Features



DIELECTRIC MATERIALS	RISER	PLENUM
Primary Insulation	Polyolefin	FEP
Overall Jacket	Flame-retardant thermoplastic	Low-smoke, flame-retardant thermoplastic
Star Filler	Flame-retardant thermoplastic	Plenum-rated polymer

HCM reserves the right to revise any specifications.

Enhanced FUTP Category 6A

Electrical Characteristics

Input impedance	100 ± 15Ω (1.0 to 100 MHz) 100 ± 20Ω (100 to 250 MHz) 100 ± 25Ω (251 to 500 MHz)
Maximum resistance unbalance	3%
Maximum capacitance unbalance	330 pF/100 meters
Maximum delay skew	45 ns/100 meters
Nominal velocity of propagation (NVP)	68%, riser 70%, plenum

Transmission Specifications

TIA/EIA-568-C.2 Category 6A Verified

ISO/IEC 11801, 2nd ed. Class E_A Compliant

Freq. (MHz)	Ins. Loss		NEXT	PS NEXT	ACR	PSACR	ACRF	PS ACRF	TCL	ELTCTL	Return Loss	CA (Type2)
	Max	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min	Min
1	2.1	74.3	72.3	72.2	70.2	67.8	64.8	40.0	35.0	20.0	-	-
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	40.0	23.0	23.0	-	-
8	5.3	60.8	58.8	55.4	53.4	49.7	46.7	40.0	16.9	24.5	-	-
10	5.9	59.3	57.3	53.4	51.4	47.8	44.8	40.0	15.0	25.0	-	-
16	7.5	56.2	54.2	48.8	46.8	43.7	40.7	38.0	10.9	25.0	-	-
20	8.4	54.8	52.8	46.4	44.4	41.8	38.8	37.0	9.0	25.0	-	-
25	9.4	53.3	51.3	44.0	42.0	39.8	36.8	36.0	7.0	24.3	-	-
30	10.3	52.1	50.1	41.9	39.9	38.3	35.3	35.2	5.5	23.8	55.0	-
31.25	10.5	51.9	49.9	41.4	39.4	37.9	34.9	35.1	-	23.6	55.0	-
62.5	15.0	47.4	45.4	32.4	30.4	31.9	28.9	32.0	-	21.5	55.0	-
100	19.1	44.3	42.3	25.2	23.2	27.8	24.8	30.0	-	20.1	55.0	-
200	27.6	39.8	37.8	12.2	10.2	21.8	18.8	27.0	-	18.0	49.0	-
250	31.1	38.3	36.3	7.3	5.3	19.8	16.8	26.0	-	17.3	47.0	-
300	34.3	37.1	35.1	2.9	0.9	18.3	15.3	-	-	16.8	45.5	-
400	40.1	35.3	33.3	-4.8	-6.8	15.8	12.8	-	-	15.9	43.0	-
500	45.3	33.8	31.8	-11.4	-13.4	13.8	10.8	-	-	15.2	41.0	-

*Frequencies beyond the TIA and ISO requirements are for information only. **All values are dB/100 m.

