

## Product Highlights

- RoHS compliant
- Tested from 1 to 400 MHz
- UL Verified Category 5e

TIA PARAMETER	GUARANTEED HEADROOM
NEXT loss	+6 dB
PSNEXT loss	+6 dB
ELFEXT	+6 dB
PSELFEXT	+6 dB
Return loss	N/A

## Packaging

- 1,000 foot (305m) reels
- 1,000 foot (305m) Reelex (featuring reverse sequential numbering)
- 1,000 foot (305m) Reel-in-a-Box

## Options

- CMP-50 rated cables available
- Available in a 4-pair construction

## Applications

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

## 350™ (Plenum)

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

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D. in.	mm	CABLE WEIGHT lbs/1000ft	kg/305m
38891-8	4	.18	4.67	21.0	9.5

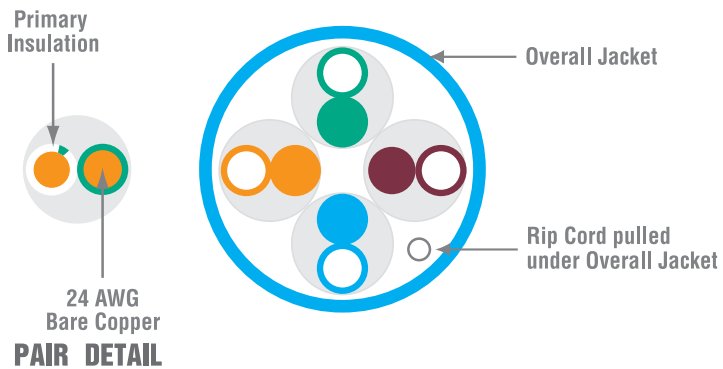
## 350™ (Riser)

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

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D. mm	lbs/1000ft	CABLE WEIGHT kg/305m	
38893-8	4	.19	4.90	22.0	10.0

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

HCM reserves the right to revise any specifications.

# Enhanced UTP Category 5e

UTP Copper

## Electrical Characteristics

Input Impedance	100 ± 15Ω (0.772 - 100 MHz)
Maximum conductor resistance	9.38 Ω/100 meters @ 20C
Maximum resistance unbalance	5%
Maximum capacitance unbalance	330 pF/100 meters
Nominal velocity of propagation (NVP)	riser, 68% plenum, 70%
Maximum delay skew	25 ns/100 meters

## Transmission Specifications

TIA/EIA-568-C.2 Category 5e Verified

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

Freq (MHz)	Ins Loss		NEXT		PSNEXT		ACR		PSACR		ACRF		PSACRF		Return Loss	
	Std.	Max	Std.	Min	Std.	Min	Cal.	Min	Cal.	Min	Std.	Min	Std.	Min	Std.	Min
1	2.0	2.0	65.3	71.3	62.3	68.3	62.9	69.3	59.9	66.3	63.8	69.8	60.8	66.8	20.0	20.0
4	4.1	4.1	56.3	62.3	53.3	59.3	51.4	58.2	48.4	55.2	51.8	57.8	48.8	54.8	23.0	23.0
8	5.8	5.8	51.8	57.8	48.8	54.8	44.9	52.0	41.9	49.0	45.7	51.7	42.7	48.7	24.5	24.5
10	6.5	6.5	50.3	56.3	47.03	53.3	42.5	49.8	39.5	46.8	43.8	49.8	40.8	46.8	25.0	25.0
16	8.2	8.2	47.2	53.2	44.2	50.2	37.3	45.0	34.3	42.0	39.7	45.7	36.7	42.7	25.0	25.0
31.25	11.7	11.7	45.8	48.9	39.9	45.9	28.8	37.2	25.8	34.2	33.9	39.9	30.9	36.9	23.6	23.6
62.5	17.0	17.0	44.3	44.4	35.4	41.4	18.0	27.4	15.0	24.4	27.9	33.9	24.9	30.9	21.5	21.5
100	22.0	22.0	35.3	41.3	32.3	38.3	8.9	19.3	5.9	16.3	23.8	29.8	20.8	26.8	20.1	20.1
155*	-	28.1	-	38.5	-	35.5	-	10.4	-	7.4	-	25.9	-	22.9	-	18.8
200*	-	32.4	-	36.8	-	33.8	-	4.4	-	1.4	-	23.7	-	20.7	-	18.0
250*	-	36.9	-	35.3	-	32.3	-	-	-	-	-	21.8	-	18.8	-	17.3
350*	-	44.9	-	33.1	-	30.1	-	-	-	-	-	18.9	-	15.9	-	16.3
400*	-	48.5	-	32.3	-	29.3	-	-	-	-	-	17.8	-	14.8	-	15.9

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



Hitachi 350 cables offer +6 dB of NEXT loss and PSNEXT loss margin over Category 5e requirements.

