

HITACHI Inspire the Next

Product Highlights

- REACH & RoHS 2 compliant.
- Made in USA.
- UL Verified.
- Low Smoke Plenum construction.
- Tested from 1 to 400 MHz.

TIA PARAMETER	GUARANTEED HEADROOM
NEXT loss	+6 dB
PSNEXT loss	+6 dB
ELFEXT	+4 dB
PSELFEXT	+4 dB
Return loss	N/A

- Supports up to 80 watts of power.

Packaging

- 1,000 foot (305m) reels
- 1,000 foot (305m) Reelex (featuring reverse sequential numbering)

Options

- CMP-50 rated cables available

Applications

- Including:
 - Gigabit Ethernet (IEEE 802.3ab)
 - 100 Mbps Ethernet (IEEE 802.3u)
 - 1000 Mbps ATM
 - 622 Mbps ATM
 - 15W PoE (IEEE 802.3af)
 - 30W PoE+ (IEEE 802.3at)
 - 60W PoE++ (IEEE 802.3bt Type 3)

Temp Range

- Storage Temperature
 - 40C to +60C (-40F to +140F)
- Installation Temperature
 - 0C to +60C (+32F to +140F)
- Operation Temperature
 - 20C to +75C (-4F to +167F)

350™ (Plenum)

(cUL)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-XXY	4	.18	4.67	20.36	9.24

350™ (Riser)

(cUL)us Listed Type CMR, CSA Type FT4

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D. in.	mm	CABLE WEIGHT lbs/1000ft	kg/305m
38893-8-XXY	4	.179	4.547	17.86	8.10

Building a Part Number

Base Part Number Ex.	No. of Conductors	Jacket Color	Reel Type
38891	8	XX	Y

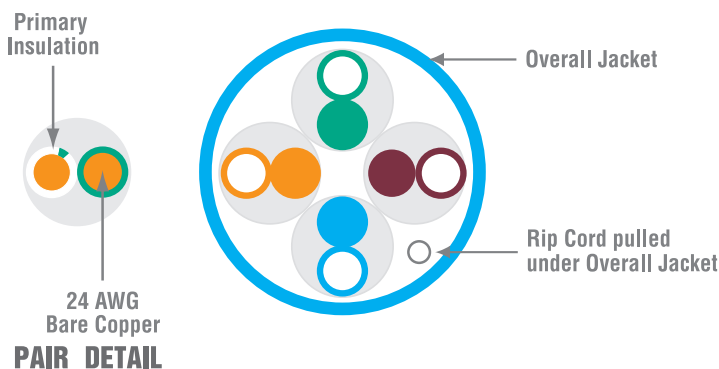
Jacket Colors (XX):

Black(BK); Blue(BL); Brown(BR); Gray(GA); Green(GR); Red(RD); White(WH); Yellow(YE)

Reel Type (Y):

Reelex Boxes(2); Reels(3)

Features



DIELECTRIC MATERIALS	RISER	PLENUM
Primary Insulation	Polyolefin	Plenum-rated fluoropolymer
Overall Jacket	Flame-retardant thermoplastic	Low-smoke, flame-retardant thermoplastic

Hitachi Cable America reserves the right to revise any specifications.

Electrical Characteristics

Input Impedance	100 ± 15Ω (1.0 - 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
Voltage Rating	300 Volts
Ampacity ¹	4 Amps/conductor

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

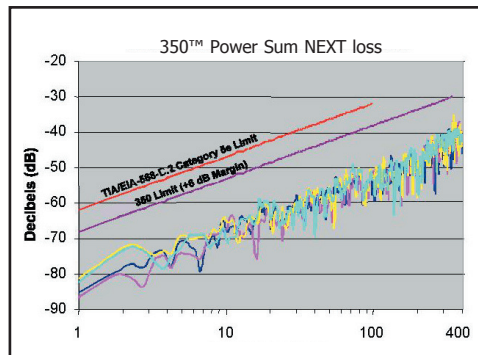


Photo is for representation purposes only.

Transmission Specifications

ANSI/TIA 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	63.3	69.3	60.3	66.3	63.8	67.8	60.8	64.8	20.0	20.0
4	4.1	4.1	56.3	62.3	53.3	59.3	52.2	58.2	49.2	55.2	51.8	55.8	48.8	52.8	23.0	23.0
8	5.8	5.8	51.8	57.8	48.8	54.8	46.0	52.0	43.0	49.0	45.7	49.7	42.7	46.7	24.5	24.5
10	6.5	6.5	50.3	56.3	47.3	53.3	43.8	49.8	40.8	46.8	43.8	47.8	40.8	44.8	25.0	25.0
16	8.2	8.2	47.2	53.2	44.2	50.2	39.0	45.0	36.0	42.0	39.7	43.7	36.7	40.7	25.0	25.0
31.25	11.7	11.7	42.9	48.9	39.9	45.9	31.2	37.2	28.2	34.2	33.9	37.9	30.9	34.9	23.6	23.6
62.5	17.0	17.0	38.4	44.4	35.4	41.4	21.4	27.4	18.4	24.4	27.9	31.9	24.9	28.9	21.5	21.5
100	22.0	22.0	35.3	41.3	32.3	38.3	13.3	19.3	10.3	16.3	23.8	27.8	20.8	24.8	20.1	20.1
155*	-	28.1	-	38.4	-	35.4	4.4	10.4	1.4	7.4	-	24.0	-	21.0	-	18.8
200*	-	32.4	-	36.8	-	33.8	-	4.4	-	1.4	-	21.8	-	18.8	-	18.0
250*	-	36.9	-	35.3	-	32.3	-	-	-	-	-	19.8	-	16.8	-	17.3
300*	-	41.0	-	34.1	-	31.1	-	-	-	-	-	18.3	-	15.3	-	16.8
350*	-	44.9	-	33.1	-	30.1	-	-	-	-	-	16.9	-	13.9	-	16.3
400*	-	48.5	-	32.3	-	29.3	-	-	-	-	-	15.8	-	12.8	-	15.9

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

1. Ampacity rating per NEC 725.144 of NFPA NEC (2017) up to 192 cable bundle.