

# Cat 3

## Product Highlights

- RoHS compliant
- Tested from 1 to 16 MHz
- Component compliant to TIA Category 3 cable requirements

## Packaging

- 1,000 foot (305m) reels
- 1,000 foot (305m) Reelex (featuring reverse sequential numbering)
- 1,000 foot (305m) Reel-in-a-Box
- Available in a 4-pair construction

## Applications

- Including:
  - 10 BASE-T
  - 4/16 Mbps Token Ring
  - 25.6 Mbps ATM

## Category 3 (Plenum)

(c(UL)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
38718-8	4	.20	5.1	17.0	7.7

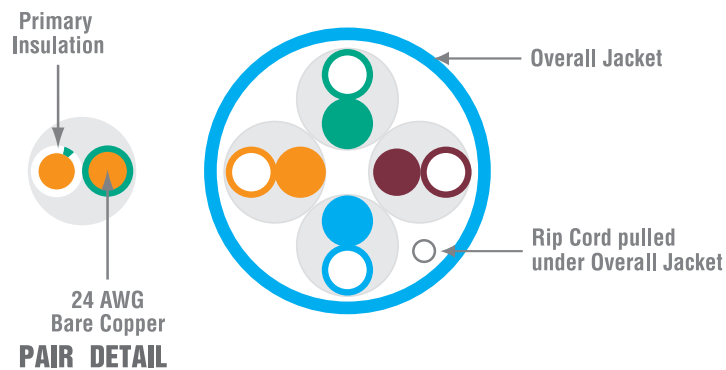
## Category 3 (Riser)

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

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT	
		in.	mm	lbs/1000ft	kg/305m
30111-8	4	.18	4.5	17.0	7.7

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

## Features



DIELECTRIC MATERIALS	RISER	PLENUM
Primary Insulation	PVC	Low-smoke, flame-retardant thermoplastic
Overall Jacket	Flame-retardant thermoplastic	Low-smoke, flame-retardant thermoplastic

HCM reserves the right to revise any specifications.

# Category 3<sup>UTP</sup>

UTP  
Copper

## Electrical Characteristics

Characteristic impedance	100 ± 15Ω (0.772 to 16 MHz)
Maximum resistance unbalance	5%
Maximum capacitance unbalance	330 pF/100 meters
Maximum delay skew	45 ns/100 meters

## Transmission Specifications

TIA/EIA-568-C.2 Category 3 Compliant

FREQ. (MHz)	INS. LOSS	NEXT LOSS	ACR	STRUCTURAL RETURN LOSS
1	2.6	41.3	38.7	12.0
4	5.6	32.3	26.7	12.0
8	8.5	27.8	19.3	12.0
10	9.7	26.3	16.6	12.0
16	13.1	23.2	10.1	10.0

All values are dB/100m.

