

Cat 3 Multi-Pair

HITACHI Inspire the Next

Product Highlights

- REACH & RoHS 2 compliant.
- Made in USA.
- Low Smoke Plenum construction.
- Tested from 1 to 16 MHz.

Packaging

- 1,000 foot (305m) reels

Options

- Available in 25-, 50-, 100-, 200- and 300-pair constructions
- Consult factory for design and availability of 400-pair constructions

Applications

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

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)

Category 3 Power Sum Multi-pair (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		
30134-50	25	.38	9.7	111.43	50.54
30134-100	50	.446 x .646	11.316 x 16.396	219.95	99.77
30134-200	100	.810	20.57	436.63	198.05
30134-400	200	1.151	29.235	874.94	396.87
30134-600	300	1.33	33.7	1275.83	578.71

Note: Standard/stock color for plenum cable is white.

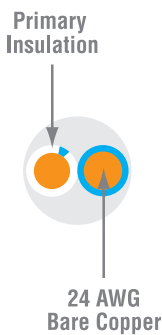
Category 3 Power Sum Multi-pair (Riser)

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

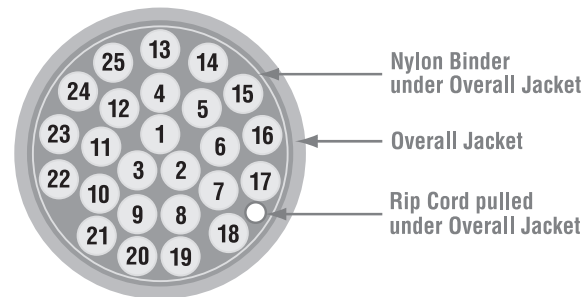
HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT lbs/1000ft	kg/305m
		in.	mm		
39228-50	25	.371	9.423	104.95	47.60
39228-100	50	.420 x .641	10.669 x 16.280	202.43	91.82
39228-200	100	.743	18.872	402.01	182.34
39228-400	200	1.040	26.416	794.70	360.46
39228-600	300	1.310	33.274	1176.73	533.76

Note: Standard/stock color for riser cable is gray.

Features



PAIR DETAIL



DIELECTRIC MATERIALS	RISER	PLENUM
Primary Insulation	PVC	Low-smoke, flame-retardant thermoplastic
Overall Jacket (< 100-pair)	Flame-retardant thermoplastic	Low-smoke, flame-retardant thermoplastic
Overall Jacket (≥ 100-pair)	Flame-retardant thermoplastic	PvDF

Hitachi Cable America reserves the right to revise any specifications.

Electrical Characteristics

Characteristic impedance	100 ± 15Ω (1.0 to 16 MHz)
Maximum resistance unbalance	5%
Maximum capacitance unbalance	330 pF/100 meters
Maximum delay skew	45 ns/100 meters
Voltage Rating	300 Volts

Transmission Specifications

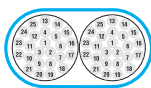
ANSI/TIA 568-C.2 Category 3 Compliant

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

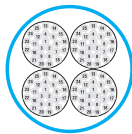
All values are dB/100m.



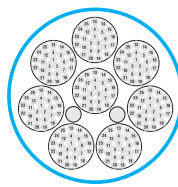
25-pair



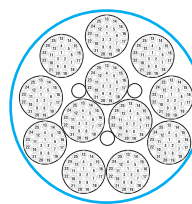
50-pair



100-pair



200-pair



300-pair

