

## Product Highlights

- Tested from 1 to 555 MHz
- Component compliant to TIA and ISO Category 6 requirements

## Packaging

- 1,000 foot (305m) reels



4-pair

Diagram scale approx. 3:1

## Category 6 ScTP (Riser)

(CMR, CSA Type FT4)

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT	
		in.	mm	lbs/1000ft	kg/305m
30129-8	4	.285	7.24	36.0	16.2

## Transmission Specifications

TIA/EIA-568-B.2-1 Category 6 Compliant

ISO/IEC 11801, 2nd ed. Category 6 Compliant

Freq. (MHz)	Ins. loss (dB/100 m)	NEXT loss (dB)	PSNEXT loss (dB)	ACR (dB)	PSACR (dB)	ELFEXT (dB)	PSELFEXT (dB)	Return loss (dB)
1	2.0	74.3	72.3	72.3	70.3	67.8	64.8	20.0
4	3.8	65.3	63.3	61.5	59.5	55.8	52.8	23.0
8	5.3	60.8	58.8	55.5	53.5	49.7	46.7	24.5
10	6.0	59.3	57.3	53.3	51.3	47.8	44.8	25.0
16	7.6	56.2	54.2	48.6	46.6	43.7	40.7	25.0
31.25	10.7	51.9	49.9	41.2	39.2	37.9	34.9	23.6
62.5	15.4	47.4	45.4	32.0	30.0	31.9	28.9	21.5
100	19.8	44.3	42.3	24.5	22.5	27.8	24.8	20.1
200	29.0	39.8	37.8	10.8	8.8	21.8	18.8	18.0
250	32.8	38.3	36.3	5.5	3.5	19.8	16.8	17.3
350*	39.8	36.1	34.1	-	-	16.9	13.9	16.3
555*	52.0	33.1	31.1	-	-	12.9	9.9	14.9

\*Frequencies beyond the TIA and ISO requirements are for information only.

# Category 6 ScTP

## Category 6 ScTP (Plenum)

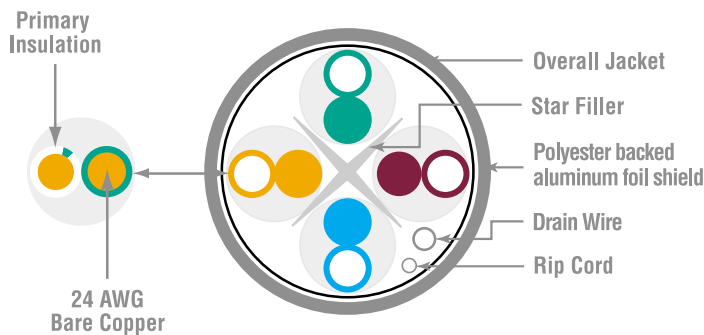
(CMP, CSA Type FT6)

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT lbs/1000ft	kg/305m
		in.	mm		
30154-8	4	.290	7.37	40.0	18.2

## Electrical Characteristics

Input impedance	100 ± 15 (0.772 to 250 MHz)
Maximum resistance unbalance	5%
Maximum capacitance unbalance	330 pF/100 meters
Maximum delay skew	45 ns/100 meters
Nominal velocity of propagation (NVP)	68%, riser
	70%, plenum

## Features



### DIELECTRIC MATERIALS

Primary Insulation  
Overall Jacket  
Star Filler

### RISER

Polyolefin  
Flame-retardant thermoplastic  
Flame-retardant thermoplastic

### PLENUM

FEP  
Low-smoke, flame-retardant thermoplastic  
Plenum-rated polymer

