

NEW!

HITACHI

Inspire the Next

Introducing Category 6 XS™ from
Hitachi Cable America



Category 6 XS™

Improved Design Makes Installation Faster!



The engineers at Hitachi are always busy improving existing products as well as developing new ones. As a result of their efforts, we are pleased to announce the release of our new Category 6 XS™ cable. The XS™ cable is Hitachi's new entry-level Category 6 cable. The XS™ is UL Verified and offers guaranteed performance that exceeds the ANSI/TIA-568.2-D standard. It is also sweep tested out to 555 MHz and can accommodate the latest in PoE applications.

High Performance in a Small Package

- Small outside diameter (.20 inch CMP & .21 inch CMR).
- Smaller design improves conduit fill rates.
- No internal pair separator.
- Green packaging and cone minimizes environmental impact.
- REACH & RoHS Compliant.

UL Verified electrical performance

- UL verified Category 6 TIA-568.2-D.
- Cable component tested to 555 MHz.
- Supports all applications intended for Category 6 including Gigabit Ethernet.
- Supports all current PoE applications including IEEE 802.3 af, at & bt.

Made in U.S.A. at Manchester, NH facility.



30237-8 Plenum
30238-8 Riser
30309-8 Riser-Halogen Free Jacket

 Hitachi Cable America Inc.

www.hca.hitachi-cable.com

Product Highlights

- REACH & RoHS compliant.
- Made in USA.
- UL Verified.
- LowSmokePlenumconstruction.
- Guaranteedminimumperformance.
- Tested from 1 to 555 MHz.
- No internal pair separator.
- Small outside diameter permits more cables per conduit than typical Category 6 cable.
- StandardReelix™packagemade with 100% post consumer materials.
- CMR-LSHF version offers a halogen free design for improved environmental performance.

Packaging

- 1,000 foot (305m) reels, Reelix.
- Reverse sequential footage markings standard on a 1,000 packages.

Options

- 23 AWG Conductors available

Applications

- Including:
 - 5 Gigabit Ethernet (IEEE 802.3bz)
 - 2.5 Gigabit Ethernet (IEEE 802.3bz)
 - 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)
 - 100W PoE++ (IEEE 802.3bt Type 4)

Temp Range

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

XS™ UTP (Plenum)

c(UL)us Listed Type CMP (UL 910), CSA Type FT6

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT	
		in.	mm	lbs/1000ft	kg/305m
30237-8-XXY	4	.20	5.08	25.24	11.45

XS™ UTP (Riser)

c(UL)us Listed Type CMR (UL 1666), CSA Type FT4

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT	
		in.	mm	lbs/1000ft	kg/305m
30238-8-XXY	4	.21	5.48	23.12	10.5

XS™ UTP (Riser-Low Smoke Halogen Free)

c(UL)us Listed Type CMR-LSHF (UL 1666 & IEC 62821), CSA Type FT4

HITACHI PART NO.	NO. OF PAIRS	CALCULATED CABLE O.D.		CABLE WEIGHT	
		in.	mm	lbs/1000ft	kg/305m
30309-8-XXY	4	.21	5.26	23.12	10.5



Photo is for representation purposes only.

Electrical Characteristics

Input Impedance 100 ± 15Ω (1.0 to 100 MHz)
100 ± 20Ω (101 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)	riser, 68% plenum, 70%

Voltage Rating 300 Volts

Ampacity	Number of 4-Pair Cables in a Bundle						
	1	2-7	8-19	20-37	38-61	62-91	92-192
	2.0	1.4	1.0	0.7	0.6	0.5	0.4

This Ampacity table is representative of the table in section 725.144 of the National Electrical Code, NFPA-70.

Features

DIELECTRIC MATERIALS	RISER	PLENUM	LSHF
Primary Insulation	Polyolefin	Plenum-rated Fluoropolymer	Polyethylene
Overall Jacket	Flame-retardant Thermoplastic	Flame-retardant Thermoplastic	Zero-Halogen Flame-retardant Thermoplastic

Primary Insulation



24 AWG Bare Copper
PAIR DETAIL

