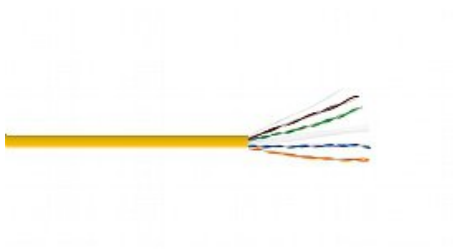




KRAMER

BCLS-31

CAT 6A U/UTP LSZH Bulk Cable



Kramer's BCLS31 is a highperformance CAT6A U/UTP cable designed for IT, LAN and Ethernet installations. It is constructed with four pairs of 23AWG solid bare copper conductors with a cross filler in an LSZH jacket with internal rip cord and sequential markings every meter and packed on a fumigated plywood reel. The unique zigzag jacket design provides excellent performance of "six around one" bundle transmission. BCLS31 cable exceeds CAT 6A specifications to provide additional performance and bandwidth beyond the basic standard

FEATURES

High-Performance Single Cable Transmission

Zigzag Jacket Design - Provides excellent performance of six around one bundle transmission

Round & Smooth Jacket without Twisted Stripe

High-Quality Safety Properties

Sweep Frequency up to 650MHz



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TECHNICAL SPECIFICATIONS

CONSTRUCTION

Insulation:	Polyolefin (PO); blue & white, orange & white, green & white, brown & white
Twist:	Lefthand
Filler:	Polyolefin (PO)

CONSTRUCTION

Rip Cord:	Polyester multiyarn
Jacket:	Low smoke zero halogen (LSZH), yellow (Pantone 116C)

DIAMETERS

Insulation:	Blue & white: $1.17 \pm 0.02\text{mm}$ Orange & white: $1.12 \pm 0.02\text{mm}$ Green & white: $1.15 \pm 0.02\text{mm}$ Brown & white: $1.10 \pm 0.02\text{mm}$
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ELECTRICAL

Spark Test:	2.5kV DC
AC Leakage Current:	10mA (1.5kV AC) through overall jacket
Conductor DC Resistance:	9.38 /100m
Resistance Unbalance:	5%
Dielectric Strength:	1.5kV AC for 2sec
Insulation Resistance:	5000M /m
Mutual Capacitance:	5.6nF /100m
Capacitance Unbalance:	330pF /100m pair to ground
Characteristic Impedance:	100 ± 15 @ 1~100MHz
Coupling Attenuation:	55dB @ 30MHz, 41dB @ 500MHz

USAGE & ENVIRONMENTAL

Insulation Tensile Strength:	2400 PSI min. (1.69kg/m.sq)
NVP	67%
Temperature Range:	Storage & shipping: 20°C to 60°C; installation: 0°C to 60°C; operation: 20°C to 60°C
Minimum Bending Radius:	4 times of overall diameter
Maximum Pulling Tension:	110N

REGULATORY PERFORMANCE

ISO/IEC 11801 (Edition 2.2):	Information technology Generic cabling for customer premises
IEC 61156-5 (Edition	Multicore and symmetrical pair/quad cables for digital communications Part 5:

2.0): Symmetrical pair/quad cables with transmission characteristics up to 1000 MHz
Horizontal floor wiring Sectional specification

EN 50288-6-1:2013: Multielement metallic cables used in analogue and digital communication and control Part 61: Sectional specification for unscreened cables characterized up to 250MHz Horizontal and building backbone cables

REGULATORY SAFETY

IEC 60332-1-2: Tests on electric and optical fiber cables under fire conditions Part 12: Test for vertical flame propagation for a single insulated wire or cable Procedure for 1kW premixed flame

IEC 61034-1 / 61034-2: Measurement of smoke density of cables burning under defined conditions

IEC 60754-2 Test on gases evolved during combustion of materials from cables

EU Directive
2011/65/EC (RoHS 2)

EU Directive
2006/95/EC (LVD)

CE compliance date:
2010.01.01



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CONFIGURATIONS

BCLS-31YL-5	CAT 6A U/UTP LSZH Cable - Yellow
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