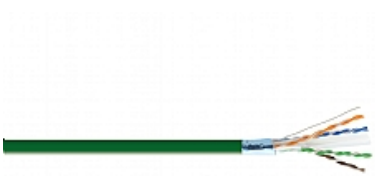
BCLS-23

CAT 6 F/UTP 23AWG 400MHz Bulk Cable – Low Smoke & Halogen Free



Kramer's BCLS-23 is a high-performance CAT 6 F/UTP cable designed for IT, LAN and Ethernet installations. The cable is constructed with 23AWG solid bare copper conductors with a cross filler and overall metal foil screen with a drain wire. It is enclosed in an LSZH jacket with sequential markings every meter and packed on a fumigated plywood reel. BCLS-23 cable exceeds CAT 6 specifications to provide additional performance and bandwidth beyond the basic standard

FEATURES

- High-Performance Transmission
- High-Quality Safety Properties
- Sweep Frequency up to 400MHz
- Length - Available in wooden drums of 500m (1640ft)

TECHNICAL SPECIFICATIONS

CONSTRUCTION	Conductor: 4 pairs of 23AWG solid bare copper
	Insulation: Polyolefin (PO); blue & white/blue stripe, orange & white/orange stripe, green & white/green stripe, brown & white/brown stripe
	Twist: Left−hand
	Assembly: Left hand direction
	Rip Shield: Mylar tape
	Drain Wire: 24AWG solid tinned copper
	Shield: Al Mylar tape, 100% coverage and mylar side facing out
	Jacket: Low smoke zero halogen (LSZH), green (Pantone 7732C)
Filler:	Polyolefin (PO)
DIAMETERS	Jacket: Diameter: 7.2 ±0.2mm; thickness: 0.45 ±0.05mm
	Insulation: Blue & white/blue stripe: 1.08 ± 0.02mm Orange & white/orange stripe: 1.05 ± 0.02mm Green & white/green stripe: 1.08 ± 0.02mm Brown & white/brown stripe: 1.05 ± 0.02mm
ELECTRICAL	Temperature & Voltage Rating: 60°C @300V
	Spark Test: 2.5kV DC
	AC Leakage Current: ≤10mA (1.5kV AC) through overall jacket
	Conductor DC Resistance: ≤9.38Ω /100m
	Resistance Unbalance: ≤5%
	Dielectric Strength: 1.5kV AC for 2sec
	Insulation Resistance: ≥5000MΩ /m
	Mutual Capacitance: ≤5.6nF /100m
	Capacitance Unbalance: ≤330pF /100m pair−to−ground
	Characteristic Impedance: 100±15Ω @1~100MHz
	Coupling Attenuation: ≤55dB @30MHz, ≤47dB @250MHz
USAGE AND ENVIRONMENTAL	Cable Cold Bend: −20°C for 4hr
	Insulation Tensile Strength: 2400 PSI min. (1.69kg/m^2)
	NVP 69%
	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	ANSI/TIA-568-C.2 (2009): Balanced Twisted−Pair Telecommunications Cabling and Components Standards

	ISO/IEC 11801 (Edition 2.2): Information technology − Generic cabling for customer premises
	IEC 61156-5 (Edition 2.0): Multicore and symmetrical pair/quad cables for digital communications − Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1000 MHz − Horizontal floor wiring − Sectional specification
	EN 50288-6-1:2013: Multi−element metallic cables used in analogue and digital communication and control − Part 6−1: Sectional specification for unscreened cables characterized up to 250MHz − Horizontal and building backbone cables
EN 50173-1:2011	Information technology. Generic cabling systems. General requirements
REGULATORY SAFETY	IEC 60332-1-2: Tests on electric and optical fiber cables under fire conditions − Part 1−2: Test for vertical flame propagation for a single insulated wire or cable − Procedure for 1kW pre−mixed 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

CONFIGURATIONS

BCLS-23GR-5	CAT 6 F/UTP LSZH Cable - Green