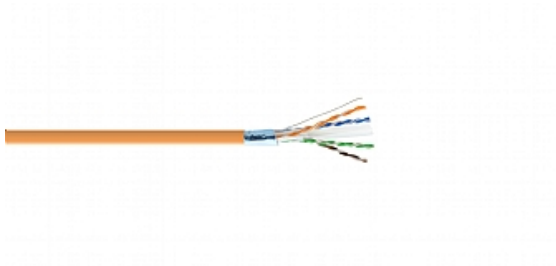




BCLS-33

CAT 6A F/UTP LSZH Bulk Cable



Kramer's BCLS-33 is a high-performance CAT 6A F/UTP cable designed for IT, LAN and Ethernet installations. It 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-33 cable exceeds CAT 6A specifications to provide additional performance and bandwidth beyond the basic standard

FEATURES

- High-Performance Transmission
- High-Quality Safety Properties
- Sweep Frequency up to 650MHz
- Length - Available in length 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), orange (Pantone 1485C)
Filler:	Polyolefin (PO)
DIAMETERS	Jacket: Diameter: 7.6 ±0.2mm; thickness: 0.55 ±0.05mm Insulation: Blue & white/blue stripe: 1.15 ± 0.02mm Orange & white/orange stripe: 1.11 ± 0.02mm Green & white/green stripe: 1.15 ± 0.02mm Brown & white/brown stripe: 1.11 ± 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, ≤41dB @500MHz
USAGE AND ENVIRONMENTAL	Cable Cold Bend: -20°C for 4hr 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	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-33OR-5	CAT 6A F/UTP LSZH Bulk Cable - Orange
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