



# KRAMER

## **BCLS-11**

CAT 5E U/UTP 24AWG 350MHz Bulk Cable

- Low Smoke & Halogen Free

---



Kramer's BCLS-11 is a high-performance CAT 5E U/UTP cable designed for IT, LAN and Ethernet installations. BCLS-11 is constructed with four pairs of 24AWG solid bare copper conductors in an LSZH jacket with internal rip cord and sequential markings every meter. It is packed in a Reelex II carton for easy to pull-out. BCLS-11 exceeds CAT 5E specifications to provide additional performance and bandwidth beyond the basic standard

## **FEATURES**

---

High-Performance Transmission

High-Quality Safety Properties

Sweep Frequency up to 350 MHz

Length - Available in Reelex II Cartons of 305m (1000ft)



## TECHNICAL SPECIFICATIONS

---

CONSTRUCTION	<p>Conductor: 4 pairs of 24AWG solid bare copper</p> <p>Insulation: Polyolefin (PO), blue &amp; white/blue stripe, orange &amp; white/orange stripe, green &amp; white/green stripe, brown &amp; white/brown stripe</p> <p>Twist: Conductors: left-hand, assembly: left-hand</p> <p>Rip Cord: Polyester multi-yarn</p> <p>Jacket: Low smoke zero halogen (LSZH), gray (Pantone 427C)</p>
DIAMETERS	<p>Jacket: Diameter: 4.9 ±0.2mm, thickness: 0.50 ±0.05mm</p> <p>Conductors: 0.87mm (0.034") ±0.02mm (0.001")</p>
ELECTRICAL	<p>Temperature &amp; Voltage Rating: 60°C @300V</p> <p>Spark Test: 2.5kV DC</p> <p>AC Leakage Current: ≤10mA (1.5kV AC) through overall jacket</p> <p>Coupling Attenuation: ≤55dB @30MHz, ≤55dB @100MHz</p> <p>Conductor DC Resistance: ≤9.38Ω /100m</p> <p>Resistance Unbalance: ≤5%</p> <p>Dielectric Strength: 1.5kV AC for 2sec</p> <p>Insulation Resistance: ≥5000MΩ /m</p> <p>Mutual Capacitance: ≤5.6nF /100m</p> <p>Capacitance Unbalance: ≤330pF /100m pair-to-ground</p> <p>Characteristic Impedance: 100±15Ω @1~100MHz</p> <p>Coupling Attenuation: ≤55dB @30MHz, ≤55dB @100MHz</p>
USAGE AND ENVIRONMENTAL	<p>Cable Cold Bend: -20°C for 4hr</p> <p>Insulation Tensile Strength: 2400 PSI min. (1.69kg/m<sup>2</sup>)</p> <p>NVP 71%</p> <p>Temperature Range: Storage &amp; shipping: -20°C to 60°C, installation: -0°C to 60°C, operation: -20°C to 60°C</p> <p>Minimum Bending Radius: ≥4 times of overall diameter</p> <p>Maximum Pulling Tension: ≤110N</p>
REGULATORY PERFORMANCE	<p>ANSI/TIA-568-C.2 (2009): Balanced Twisted-Pair Telecommunications Cabling and Components Standards</p> <p>ISO/IEC 11801 (Edition 2.2): Information technology – Generic cabling for customer premises</p> <p>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</p> <p>EN 50288-3-1 2013: Multi-element metallic cables used in analogue and digital communication and control sectional specification for unscreened cables characterized up to 100 MHz. horizontal and building backbone cables</p>
REGULATORY SAFETY	<p>EN 50173-1 2011: Information technology – Generic cabling systems – Part 1:</p>

## General requirements

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



# KRAMER

## CONFIGURATIONS

---

BCLS-11GY-3

CAT 5E U/UTP LSZH Cable - Grey

---