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
- Conductor: 4 pairs of 24AWG solid bare copper
- Insulation: Polyolefin (PO), blue & white/blue stripe, orange & white/orange stripe, green & white/green stripe, brown & white/brown stripe
- Twist: Conductors: left-hand, assembly: left-hand
- Rip Cord: Polyester multi-yarn
- Jacket: Low smoke zero halogen (LSZH), gray (Pantone 427C)

DIAMETERS
- Jacket: Diameter: 4.9 ±0.2mm, thickness: 0.50 ±0.05mm
- Conductors: 0.87mm (0.034") ±0.02mm (0.001")

ELECTRICAL
- Temperature & Voltage Rating: 60°C @300V
- Spark Test: 2.5kV DC
- AC Leakage Current: ≤10mA (1.5kV AC) through overall jacket
- Coupling Attenuation: ≤55dB @30MHz, ≤55dB @100MHz
- 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, ≤55dB @100MHz

USAGE AND ENVIRONMENTAL
- Cable Cold Bend: −20°C for 4hr
- Insulation Tensile Strength: 2400 PSI min. (1.69kg/m^2)
- NVP 71%
- 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 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 50288-3-1 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

REGULATORY SAFETY
- EN 50173-1 2011: Information technology − Generic cabling systems − Part 1:
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
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<td>BCLS-11GY-3</td>
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