



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	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
DIAMETERS	Jacket: Low smoke zero halogen (LSZH), gray (Pantone 427C)
	Jacket: Diameter: 4.9 ±0.2mm, thickness: 0.50 ±0.05mm
ELECTRICAL	Conductors: 0.87mm (0.034") ±0.02mm (0.001")
	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
REGULATORY PERFORMANCE	Maximum Pulling Tension: ≤110N
	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 50288-3-1 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



CONFIGURATIONS

BCLS-11GY-3	CAT 5E U/UTP LSZH Cable - Grey
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