



KRAMER

BCLS-11

CAT 5E U/UTP LSZH Bulk Cable



Kramer's BCLS11 is a highperformance CAT 5E U/UTP cable designed for IT, LAN and Ethernet installations. BCLS11 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 pullout. BCLS11 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
- Reelex II Carton for Easy Deployment



TECHNICAL SPECIFICATIONS

CONSTRUCTION

Insulation:	Polyolefin (PO); blue & white/blue stripe, orange & white/orange stripe, green & white/green stripe, brown & white/brown stripe
Twist:	Conductors: lefthand; assembly: lefthand
Rip Cord:	Polyester multiyarn
Jacket:	Low smoke zero halogen (LSZH), gray (Pantone 427C)

DIAMETERS

Conductors:	0.87mm (0.034") \pm 0.02mm (0.001")
-------------	---------------------------------------

ELECTRICAL

Spark Test:	2.5kV DC
AC Leakage Current:	10mA (1.5kV AC) through overall jacket
Coupling Attenuation:	55dB @30MHz, 55dB @100MHz
Conductor DC Resistance:	9.38 /100m
Resistance Unbalance:	5%
Dielectric Strength:	1.5kV AC for 2sec
Insulation Resistance:	5000M /m
Mutual Capacitance:	5.6nF /100m
Capacitance Unbalance:	330pF /100m pair to ground
Characteristic Impedance:	100 \pm 15 @1~100MHz
Coupling Attenuation:	55dB @30MHz, 55dB @100MHz

USAGE & ENVIRONMENTAL

Insulation Tensile Strength:	2400 PSI min. (1.69kg/m.sq)
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:	Multielement 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

IEC 60332-1-2: Tests on electric and optical fibre cables under fire conditions Part 12: Test for vertical flame propagation for a single insulated wire or cable Procedure for 1 kW premixed 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
