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CON-FIELD / CON-FIELD-360

Field Assembly Shielded RJ-45 Connectors
for CAT Cable



CON-FIELD and CON-FIELD-360 are high-bandwidth, shielded RJ-45 connectors used for terminating Kramer LAN cables. This connector requires no crimping tool to install, and provides fast and reliable termination of shielded twisted-pair cables in the field. The connector is suitable for 10Gb Ethernet (IEEE 802.3an), remote powering (PoE, PoE plus, UPoE) and HDBaseT

FEATURES

CON-FIELD - Fixed connector

CON-FIELD-360 - With variable cable entry, 8 positions possible

Robust Zinc Die-cast Housing - For industrial use and a protected latch

Compact Design - Makes the connector multiport-capable while being fully shielded

Easy Assembly - Strain relief snapped on directly to stuffer cap and protected catch, no crimping tool needed

Reconnectable for Reuse

Transmission Characteristics - CAT 6A per ISO/IEC 11801 Ed.2.2:2011-06

Wide Uses - Suitable for 10Gb Ethernet (IEEE 802.3an), remote powering (PoE, PoE plus and UPoE) and HDBaseT

Availability - Both connectors have a Minimum Order Quantity of 10 pieces or multiples thereof



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TECHNICAL SPECIFICATIONS

OVERALL	DESIGN: Plug SHIELDING: Shielded TRANSMISSION TECHNOLOGY: Copper COLOR: Black MULTI-PORT CAPABILITY : Yes CABLE ACCESS/OUTLET: CON-FIELD-360: Variable, 8 positions, CON-FIELD: 180°
REGULATORY PERFORMANCE	CATEGORY (ISO): 6A CATEGORY (TIA): 6A CLASS (ISO/IEC): EA REMOTE POWERING: Yes POE/POE PLUS: IEEE 802.3af/IEEE 802.3at UPOE: Yes HDBASET: Yes TRANSMISSION RATE UP TO 10GBIT: IEEE 802.3an
CONSTRUCTION	HOUSING: GD-Zn (Zinc die-cast) CONTACTS: CuSn (tinned bronze) CONTACT FINISH: Ni + Au (nickel-gold) LATCH: Plastic
REGULATORY	GENERAL REQUIRMENTS: ISO/IEC 11801 Ed. 2.2:2011-06; DIN EN 50173-1:2011-09; TIA/EIA 568-C OFFICE BUIDINGS: ISO/IEC 11801 Ed. 2.2:2011-06; DIN EN 50173-2:2011-09; TIA/EIA 568-C INDUSTRIAL AREAS: ISO/IEC 24702; DIN EN 50173-3:2011-09; TIA/EIA 1005 RESIDENTIAL AREAS: ISO/IEC 15018; DIN EN 50173-4: 2011-09; TIA/EIA 570-B CE: Compliant ROHS: Compliant
DIAMETERS	TERMINATION, SOLID WIRE: CONDUCTOR CROSS SECTION AWG: AWG 26/1-22/1. CONDUCTOR CROSS SECTION: 0.128-0.324mm ² CONDUCTOR DIAMETER: 0.409-0.643mm (0.016-0.025") TERMINATION, STRANDED WIRE: CONDUCTOR CROSS SECTION AWG: AWG 27/7-22/7. CONDUCTOR CROSS SECTION: 0.111-0.355mm ² CONDUCTOR DIAMETER: 0.457-0.762mm (0.018-0.030") CABLE SHEATH DIAMETER: 5.5-10.5mm (0.217-0.413")
ELECTRICAL	CURRENT: 1A (max)

RATED VOLTAGE: 50V (max)

CONTACT RESISTANCE: 20mΩ (max)

INSULATION RESISTANCE: 500MΩ (min)

DIELECTRIC STRENGTH: CONDUCTOR-SHIELD: 1500V DC

USAGE AND
ENVIRONMENTAL

INSERTION AND WITHDRAWAL FORCE: 20N max

LIFE-NUMBER OF MATING CYCLES: 750 min

STRAIN RELIEF: Latching clip

STORAGE TEMPERATURE: -40 - 70°C (-40 - 158°F)

OPERATING TEMPERATURE: -40 - 70°C (-40 - 158°F)



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CONFIGURATIONS

CON-FIELD	Field assembly 180° Shielded RJ-45 Connector for CAT Cable -Minimum Order Quantity of 10 pieces or multiples thereof
CON-FIELD-360	Field assembly 360° Shielded RJ-45 Connector for CAT Cable - Minimum Order Quantity of 10 pieces or multiples thereof)
