The CON-FIELD is a high-bandwidth, shielded RJ-45 connector 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 sold in packages of 10
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 REQUIREMENTS: ISO/IEC 11801 Ed. 2.2:2011−06; DIN EN 50173−1:2011−09; TIA/EIA 568−C
OFFICE BUILDINGS: 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: 0.128−0.324mm²
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: 0.111−0.355mm²
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
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)
<table>
<thead>
<tr>
<th>CONFIGURATION</th>
<th>Description</th>
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<tbody>
<tr>
<td>CON-FIELD</td>
<td>Field assembly 180° Shielded RJ-45 Connector for CAT Cable. Priced individually and sold in packs of 10</td>
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<tr>
<td>CON-FIELD-360</td>
<td>Field assembly 360° Shielded RJ-45 Connector for CAT Cable. Priced individually and sold in packs of 10</td>
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