

Industrial Grade Field-Installable Plug Assemblies

KEY FEATURES

- IP67-rated industrial-grade plugs with durable flexible cable strain relief for industrial use
- Rated for at least 750 plug insertions for high level system reliability
- Equipped with caps to prevent exposure of unplugged connectors
- Contacts are 50 µin gold over 100 µin nickel plated phosphor bronze



ORDERING INFORMATION

PART NO.	DESCRIPTION
KRJ45IG-C6	Category 6 Unscreened Field-Installable Industrial Plug
KRJS45IG-C6	Category 6 Screened Field-Installable Industrial Plug
KRJ45IG-C5E	Category 5e Unscreened Field-Installable Industrial Plug
KRJS45IG-C5E	Category 5e Screened Field-Installable Industrial Plug

SPECIFICATIONS

TRANSMISSION PERFORMANCE

ANSI/TIA-568-C.2: meets or exceeds category 5e (1-100 MHz) specifications
 ANSI/TIA-568-C.2: meets or exceeds category 6 (1-250 MHz) specifications

TRANSMISSION MEDIA

4-pair stranded unscreened twisted pair (U/UTP)
 4-pair stranded screened twisted pair (F/UTP)

WIRING SCHEME

ANSI/TIA/EIA-568-C.2: T568A & T568B
 ISO/IEC 11801 2nd Ed.: 8-position pin/pair assignment (1-2/3-6/4-5/7-8)

CONSTRUCTION

Assembly:

Plug: FCC Part 68 Subpart F

Plug Housing: IP67-rated industrial-grade thermoplastic

Insulation: Industrial-grade thermoplastic

IDC Blades: Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area

Screen: Brass alloy plated with 100 µin of nickel

Dimensions: 3.94" L x 1.25" Dia (100 x 31.7 mm)

MECHANICAL

Retention: 50 N (11 lbf) for 60 ± 5 s

Mating Cycle Life: Min 750 cycles

Tensile Strength: ≥ 20 N per wire

ELECTRICAL

Insulation Resistance: Min 500 MOhm @ 100 Vdc

Dielectric Withstanding Voltage:

1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min

1,500 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min (screened only)

Contact Resistance: Max 20 mOhm

ENVIRONMENTAL CONDITIONS

Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)

Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)

Operating RH:

Plug: 93% Max (non-condensing)

Housing: IP67 - offers complete protection against dust and protection against the effects of temporary immersion up to 1 m (3 ft)

COMPLIANCE

ANSI/TIA-568-C.2, IEC 60603-7, IEC 61156-6, IEC 60332-1-2, FCC Part 68 Subpart F, UL 94V-0

APPLICATIONS

X.21, V.11, S0, ISDN, CSMA/CD 10BASE-T, 100BASE-TX, 100BASE-T4, 100BASE-T2, 1000BASE-T, 10GBASE-T (up to 55 m (180 ft)), TR 4/16/100, 100BASE-VG, ATM LAN 25/51/155, TP-PMD

WARRANTY

5 - Year Limited Component

