

Berk-Tek LANmark Industrial Connectors enable the expansion and integration of Ethernet into machines, sensors, PLC/DCS networks and various industrial environments. With over 50 years of cable manufacturing experience, Berk-Tek offers best-in-class Industrial Ethernet solutions that perform reliably in industrial harsh conditions, leading to maximum production uptime and efficiency.

DESCRIPTION

These three field-installable RJ-45 unshielded plug kits are optimized for LANmark unshielded industrial cables based on diameter, wire size and application performance.

- **B540-RJU-PKB** is optimized for the following Cat 5e Industrial Cables: LANmark-B540, -C539, -C538, -B535, and -B585:
 - 0.240 - 0.250 inch cable diameter
 - No wire aligner
 - 100 Mb/s Ethernet Application Performance
- **A753-RJU-PKB** is optimized for the following Cat 5e Industrial Cable: LANmark-A753:
 - 0.220 - 0.230 inch cable diameter
 - No wire aligner
 - 100 Mb/s Ethernet Application Performance
- **A689-RJU-PKB** is optimized for the following Cat 6 Industrial Cable: LANmark-A689:
 - 0.300 inch max cable diameter
 - Polycarbonate wire aligner
 - 10 Gb/s Ethernet Application Performance



STANDARDS

International EIA-364;
EU Directive 2011/65/EU (RoHS);
EU Directive 2014/35/EU (Low Voltage);
IEC 60603-7

National EIA/TIA-568;
TIA 1096: EIA/TIA-570; UL 94 V0

CHARACTERISTICS

Construction characteristics

Connector type	RJ 45
Connector Orientation	Straight
Plug Body	Polycarbonate
Load Bar	Polycarbonate
Contacts	Copper Alloy with Gold Plating
Boot/Strain Relief	Polycarbonate
Connector Shielding	None
Pin Count	8.0
Termination Type	IDC

Dimensional characteristics

Plug Wire Sizes	0.037 .. 0.042 in
-----------------	-------------------

Electrical characteristics

Rated Voltage	150 Volts (AC)
Rated current	1.5 A
Dielectric Withstand	1500 Volts AC peak or Volts DC




Mechanical characteristics



Connector Mating Cycles	750.0
-------------------------	-------

Usage characteristics

IP Rating	IP20 (IEC 60529)
Recommended operating temperature range	-40 .. 85 °C

PRODUCT LIST

Part Number	Description	Application Performance	Wire Aligner
 81000743	LANmark-A689-RJU-PKB: RJ45 Unshielded Plug Kit IP20 Rated	10 Gb/s Ethernet	Polycarbonate
 81000742	LANmark-A753-RJU-PKB: RJ45 Unshielded Plug Kit IP20 Rated	100 Mb/s Ethernet	None
 81000740	LANmark-B540-RJU-PKB: RJ45 Unshielded Plug Kit IP20 Rated	100 Mb/s Ethernet	None

 = Make to order,  = In stock