

Amphenol® RJF 544

Harsh Environment Ethernet Connection System



INDICATORS /
CONTROLLERS

Standard Features

- Allows an Ethernet Class D/Category 5e connection for 10Base-T, 100Base-TX, or 1000Base-T networks in harsh environments
- Sealed against fluids and dusts (IP67)
- Shock, vibration and traction resistant
- No cabling operation in the field
- No tools required
- Improved EMI protection
- Uses a standard RJ-45 cordset in protective composite plug to protect from shocks, dust and fluids
- In-field cabling and grounding not necessary

Specifications

Data Transmission:

10Base-T, 100Base-TX and 1000Base-T networks
Category 5e per TIA/EIA 568B and ClassD per ISO/IEC 11801

Mechanical:

Quick push/pull coupling
RJ-45 cordset retention in the plug: 100N in the axis
Mating cycles: 500 min

Environmental Protection:

Sealing: IP67
Salt Spray: > 1000h
Fire retardant/low smoke: UL94 V0 and NFF 16 16102, DIN 5510-2
Vibrations: 10 to 500 Hz, 10g, 3 axes:
no discontinuity > 10 nanos
Thermal Shock: 5 cycles at -40 °C / +100 °C

Temperature:

Operating:
-40 °F to 185 °F (-40 °C to 85 °C)

Applications:

Telecom equipment, video control, robotics,
industrial process control, CNC machines, motion
control, tele-maintenance

Part Number/Price

Part #	Description	Price
87326	RJF 544 kit	Consult
87285	Square flange female connector	Consult
87286	Dust cap for harsh environment receptacles	Consult
87287	Gasket for harsh environment receptacles	Consult
87288	Ethernet plug	Consult
87289	Dust cap for harsh environment plugs	Consult