

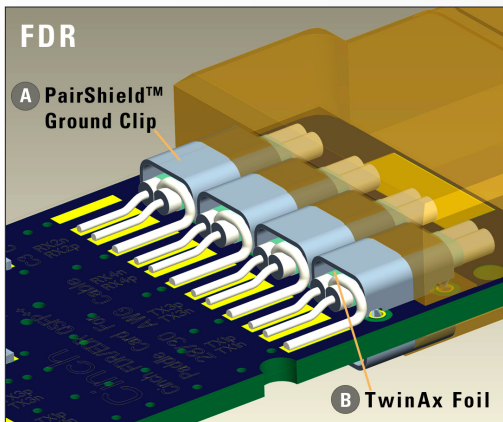
FDR High Speed Cables

With PairShield™ Technology



FDR

A PairShield™
Ground Clip



B TwinAx Foil

Cinch FDR PairShield™ Crosstalk Management

(A) The Cinch PairShield™ paddleguard termination includes the patented PairShield™ ground clip and extended paddleguard. Together, these technologies provide the industry's lowest multi-aggressor crosstalk.

(B) Terminating the TwinAx foil shield under the PairShield™ ground clip isolates adjacent pairs on the same side of the paddleguard. The extended paddleguard isolates cross card pairs. Together, these design improvements minimize crosstalk and provide an optimized launch to assure error free interconnects.

The Cinch FDR passive cable family meets industry standard requirements:

- Small Form Factor SFF8436 specification.
- InfiniBand Trade Association (IBTA) specification for Fourteen Data Rate (14Gbps) as well as QDR (10Gbps) and DDR (5Gbps) per lane.
- InfiniBand FDR link provides 56Gbps of bandwidth (4 X 14Gbps) for transmit and receive in full duplex mode. A total link bandwidth of 112Gbps.

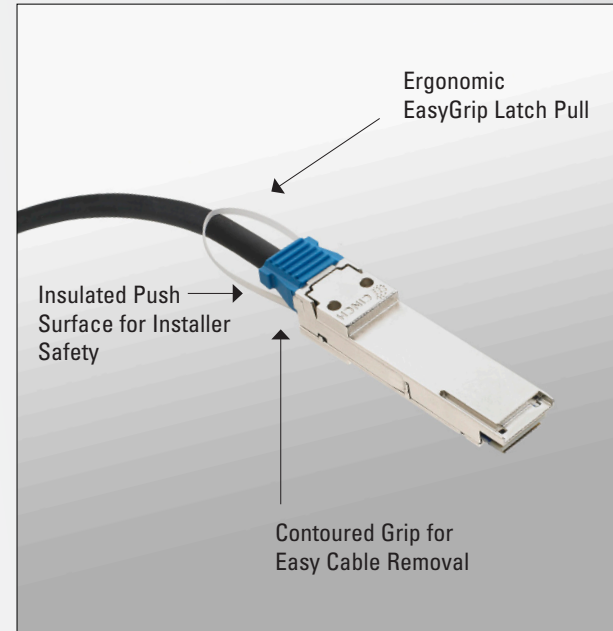


The Cinch Advantage

Cinch Connectors FDR copper cable assemblies exceed industry standard performance specifications for InfiniBand FDR specification, 40G Ethernet, SAS 3.0 and Fibre Channel applications.

Cinch FDR passive cable family offers the following advantages:

- **Superior Crosstalk Management:** The Cinch FDR design includes a dramatic improvement to crosstalk management using Cinch proprietary patented PairShield™ termination technology.
- **Ergonomic Design:** In addition, Cinch FDR includes an ergonomic pull-to-release latch tether and an ESD insulated grasp area.
- **“Smart” Cables:** All Cinch FDR cables include an EEPROM cable management interface in each plug programmed per the SFF8436 memory map as well as DC blocking capacitors on the receive lanes and an I2C module select buffer.
- **25-30 Gauge Availability:** Cables are available in a range of wire gauges from 25, 26, 28 and 30AWG twinax cables with lengths ranging from 0.50m for 30AWG to 7m for 25AWG.
- **Independent Recognition:** Cinch Connectors is a proud participant in the IBTA Logo License program. Cinch earned recognition on the IBTA Integrator’s list for DDR and QDR applications. FDR meets FDR requirements.



FDR Passive Copper Cable Assembly

