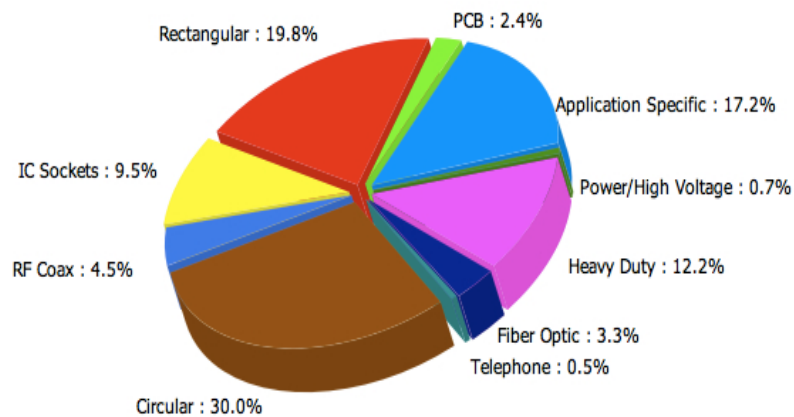


## Rugged Connectors Meet Emerging Application Challenges



Bishop & Associates has just released a new research report providing detailed market and application analysis of connectors used in environmentally challenging environments. This 22-chapter, 460-page report identifies the key characteristics of rugged and ruggedized connectors and how the connector industry is responding to increasing demand for connectors that can survive moisture, dust, shock, vibration, temperature extremes, pressure, EMI/ESD, as well as mechanical abuse. A rugged connector can be designed specifically for duty in harsh environments, or a commercial-grade connector can be modified to survive harsh environments.

A wide variety of rugged and ruggedized connectors are now being utilized on a global basis.



Market segments that currently utilize rugged connectors include:

- Aerospace
- Agricultural
- Broadcast TV
- Civilian and military surveillance
- Embedded computer
- Geophysical Exploration and production
- Heavy transportation
- Industrial
- Marine
- Medical
- Military
- Nuclear
- Portable test equipment
- Renewable energy
- Telecom
- Test and burn-in sockets

Data provided for each market segment includes critical performance attributes, connector types, typical applications, applicable industry standards, list of major suppliers, and technology/application trends. A series of tables and charts for each market segment includes 2009, 2010, and 2011 sales by product type, world, and region with percent change, 2011 sales, and 2016 forecast by product type and region with 5-year CAGR.

Some of the issues addressed in this research report include:

- What factors are driving demand for rugged and sealed connectors?
- What specific design enhancements enable a connector to perform in harsh environments?
- How is the degree of sealing and resistance to mechanical forces quantified?
- What new rugged and ruggedized connectors have recently been introduced into the market?
- How has the COTS initiative impacted the use of commercial ruggedized connectors?
- Can a ruggedized commercial connector provide a new business opportunity for connector manufacturers?
- What are the rugged connector features that design engineers will be requiring to support next-generation products?

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Emerging Product Trends and Technology

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Major Findings and conclusions

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