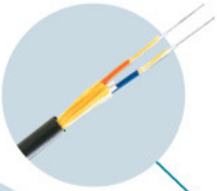
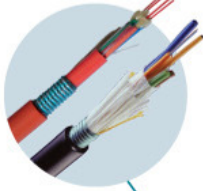


Oil & Gas

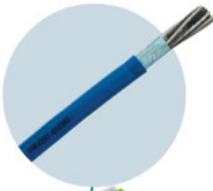
Customized Ruggedized Indoor Patch Cables



Indoor & Outdoor Cables



Teldor Fieldbus, Profibus, DeviceNet Cables



Teldor Industrial Ethernet Cables



Modular Industrial Patch Panel, DIN-Rail



19" Patch Panel/Wall Mount Enclosure



Fast Ethernet or Full Gigabit/Fiber to Copper Conversion



Fieldbus Repeater



Hirschmann OpenOCTOPUS Family – Waterproof IP67/IP54 Switches



Hirschmann OpenBAT Family



Hirschmann EAGLE Family



Modular, OpenRail, RSP & RSPE Industrial Network Switch



Hirschmann Industrial Ethernet Rack Mount Switch – MACH Family Backbone Switch to Control Room



Hirschmann Industrial Hi-Vision



A INDUSTRIAL ETHERNET/FIELDBUS CABLES

- A1 Teldor Industrial Ethernet Cables**
- Available in Cat5 /Cat 6/Cat 6A/Cat 7 (S/FTP or U/FTP or U/UTP)
 - PVC or Flame retardant Standard
 - Overall jacketed with industrial grade compound option
- A2 Teldor Fieldbus, Profibus, DeviceNet Cables**
- UV resistant FR-PVC for wide temperature range compound.
 - IEC 60332-1, IEC 60332-3, UL 1581 VW-1, UL CMR
 - Armored or Non-Armored
 - Relevant Off-shore standards available

B FIBER OPTIC CABLES

- B1 Indoor & Outdoor Cables**
- Single mode or Multimode
 - Armored or Non Armored Design
 - Fire resistance or flame retardant standard
 - Loose-tube, tight buffered or breakout design
- B2 Customized Ruggedized Indoor Patch Cables**
- Breakout series duplex assembly type Fiber Optic Cable OFNR
 - Flame retardant Low Smoke Zero Halogen Jacket
 - Elastomeric sub-cable Jacket

C PATCH PANEL & ACCESSORIES

- C1 MIPP - Modular Industrial Patch Panel, DIN-Rail**
- Modular Design - Combining copper and fiber management
 - Wide temperature range from -20°C to +70°C
 - High port density for maximum use of available space
- C2 19" Patch Panel/Wall Mount Enclosure**
- Available from 6 ports to 96 ports, IP ratings
 - Compact, lightweight & low-protrusion design
 - Optional with Aluminum Housing, Epoxy Coating, Powder Coating

D MEDIA CONVERTER

- D1 Fast Ethernet or Full Gigabit/Fiber to Copper Conversion**
- Unmanaged-Entry-Level switches in many varieties
 - 2 to 8 (+2) ports plus optional optical fiber ports
 - Plug & Play allows for quick installation
- D2 Fieldbus Repeater**
- Fieldbus modules for AS-Interface, DeviceNet, CANopen & Profibus
 - Actuator/Sensor Distribution Box
 - IP67/IP69K Protection Class, Vibration & Shock Resistant

E NETWORK COMMUNICATION SOLUTION

- E1 Hirschmann OpenOCTOPUS Family – Waterproof IP67/IP54 Switches**
- Online-Configurator for individual application
 - Vibration-proof M12 connection technology
 - Gigabit and Fast Ethernet connections for twisted pair and fiber-optic cable
 - Data redundancy based on RSTP, MRP, Hiper Ring or Bypass Relay
 - Approval for rail/road vehicles and ships
- E2 Hirschmann OpenBAT Family**
- Rugged wireless LAN access points and/or clients for use in industrial environments.
 - Robust metal housing for mounting on DIN rails.
 - Comprise BAT-R (IP20) and BAT-F (IP67) series
 - Supports the IEEE 802.11n transmission standard
 - Data redundancy based on RSTP, MRP, Hiper Ring or Bypass Relay
- E3 Hirschmann EAGLE Family**
- Highly efficient Industrial Firewall Security System
 - Distributed security solution
 - Redundancy for high availability
 - Scalable operating concept
- E4 Modular, OpenRail, RSP & RSPE Industrial Network Switch**
- Future-proof network design with maximum flexibility
 - Redundant power input
 - Available in customized versions
 - Available in conformal coating
- E5 Hirschmann Industrial Ethernet Rack Mount Switch – MACH Family Backbone Switch to Control Room**
- Hot-swappable modules
 - Optional Redundant Power Supply
 - Up to 48 Gigabit Ethernet ports & three 10Gigabit Ethernet ports
 - Highly Redundancy
- E6 Hirschmann Industrial Hi-Vision**
- Topology Discovery
 - SNMP Trap Support
 - Auto Discovery
 - Configuration & extended diagnosis provided via interfaces, incl. HiVision 6.4, Web browser & TELNET
 - Multi Configurable feature allows many switches to be configured at the same time with the same parameters
 - Hi-Mobile App provides Higher network availability with mobile monitoring of network devices