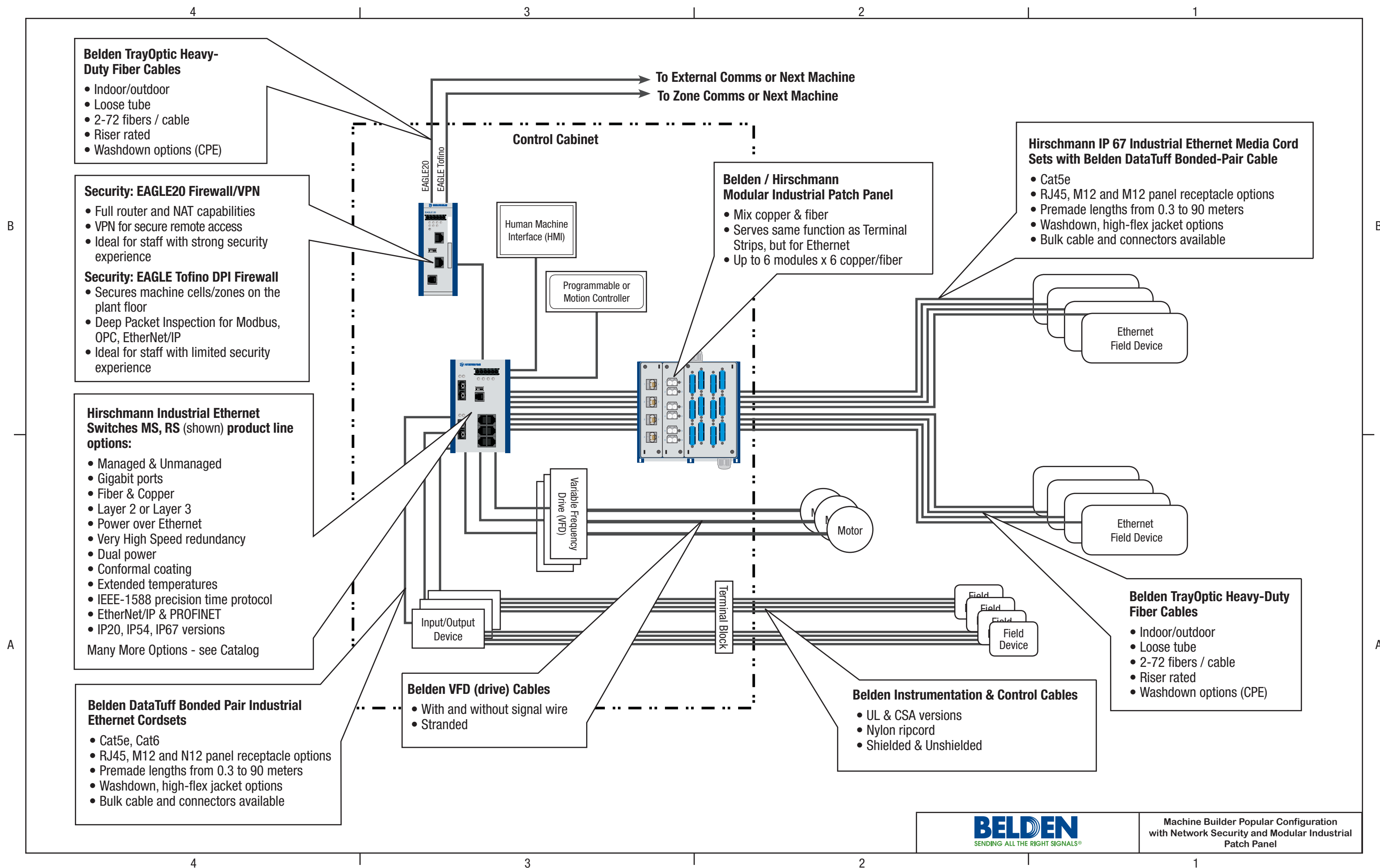




RS & MS SWITCHES		ORDER NO.
Hirschmann RS20 8x 10/100 Mbps 2x fiber uplinks		RSR20-0800M2M2T1SCCHPHH
Hirschmann MS20 2 slots max 8 10/100Mbps ports		943 435-001
Hirschmann MS Module 4x10/100 Mbps RJ45		943 722-101
Hirschmann MS Module 4x100 Mbps MM SC		943 835-101
RS/MS Power Supplies 24vDC rail		943 662-015
RS/MS Config Back up – ACA 21-USB EEC		943 271-002
SECURITY		
EAGLE20 Firewall	OR	943 987-00x
EAGLE20 Tofino Security Appliance		943 987-50x
EAGLE Tofino Central Management Platform		942 016-10x
EAGLE Tofino Firewall LSM		942 016-110
EAGLE Tofino Secure Asset Management LSM		942 016-111
EAGLE Tofino Modbus Enforcer LSM (Optional)		942 016-112
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MODULAR INDUSTRIAL PATCH PANEL (MIPP)		
MIPP 4 shielded copper, 4SC Fiber		MIPP-DB-1SEN-1S3B
COPPER ETHERNET CABLES & CORDSETS		
DataTuff Bonded Pair 5e 2pr shield 1m RJ45-RJ45 PVC		J224PVCTLJT01.0M
DataTuff Bonded Pair 5e 4pr shield 2m RJ45-M12 TPE		J424TPETLMT02.0M
DataTuff Bonded Pair 5e 4pr shield 55m M12-M12 TPE		M424TPETLMT55.0M
DataTuff Bonded Pair 5e 4pr shield bulk		7929A
DataTuff Bonded Pair Cat6 4pr unshield bulk		7927A
FIBER ETHERNET CABLES & CORDSETS		
TrayOptic Heavy Duty Fiber– OM3 (10G@300m) PVC		I1C0255
TrayOptic Heavy Duty Fiber– OM3 (10G@300m) CPE		I1C0266
INSTRUMENTATION & CONTROL CABLES		
Instrumentation 600V TC Shielded PVC/Nylon		9341
Control Cable UL 600V TC Shileded PVC/Nylon		27325AAS
VFD CABLES		
1000V UL Flexible Motor Supply Cable Stranded AB 160/1305		29500
1000V UL Flexible Motor Supply Cable Stranded AB 1336		29504
Network Management Software		
Industrial HiVision, 25 nodes		943 156-025

This **Bill of Material** represents only a sample of available product. For a complete Catalog call **1-800-BELDEN-1** or **www.belden.com**

About this Configuration

This configuration features a typical machine builder control panel with an Ethernet and I/O hardwired solution. It includes a firewall / VPN router for remote connection and security. It also features an Ethernet switch in-cabinet for those devices and an IP-67 external switch for Ethernet devices outside the control cabinet.

A gigabit Ethernet camera resides on the same network to monitor physical machine performance

About Hirschmann Industrial Ethernet Switches

Hirschmann is the global market leader for industrial Ethernet switches, with the broadest line of features, options and regulatory approvals, all configured with Industrial HiVision Network Management Software and packaged into a number of fixed and modular product lines that scale to meet the industry’s broad range of applications.

About EAGLE Security Products

The EAGLE20 Firewall/VPN provides machine builders with firewall, router and VPN capabilities for secure remote support. Its NAT capabilities allow automation cells with identical addressing, eliminating the need to reconfigure existing systems. It is ideally used by staff with security expertise.

The EAGLE Tofino protects automation cells from both malicious cyber threats and accidental network problems. It offers optional Deep Packet Inspection of industrial protocols for enforcing read-only traffic. It is safely and easily installed into live networks, and can be used by staff with limited security skills.

About MIPP

Belden’s MIPP termination panel solution provides the ideal connection between cables and switches. Available in a choice of modules suitable for both fiber and copper cables, up to six modules can be connected to create a single panel that can accommodate both types of cable at the same time for maximum system flexibility.

About DataTuff Bonded Pair Industrial Cable

DataTuff patented Bonded Pair Industrial Ethernet cables provide exceptional performance after installation by maintaining cable twist and spacing critical to maintain noise immunity, minimize crosstalk and maintain signal integrity. DataTuff is available in a variety of industrial constructions built to withstand flex, moisture, chemicals, UV, indoor./outdoor, burial and other harsh conditions. Cordsets come in many premade lengths from 0.3 – 90m and with RJ-45, M12 and panel connectors.

About Industrial HiVision

To guarantee a higher level of operational reliability within industrial Ethernet networks, Belden’s HiVision makes it simple for network administrators to integrate Hirschmann, Garrettcom and manageable third-party products for total network supervision from a single network management system. Reliability is key within industrial networks as operations staff need a network management solution that can provide information necessary to determine the performance of the network, report issues and rectify any faults before system failures occur and result in expensive downtimes. To guarantee a higher level of operational reliability, Industrial HiVision, with automatic topology detection, facilitates efficient, convenient and reliable network management for effective industrial supervision.