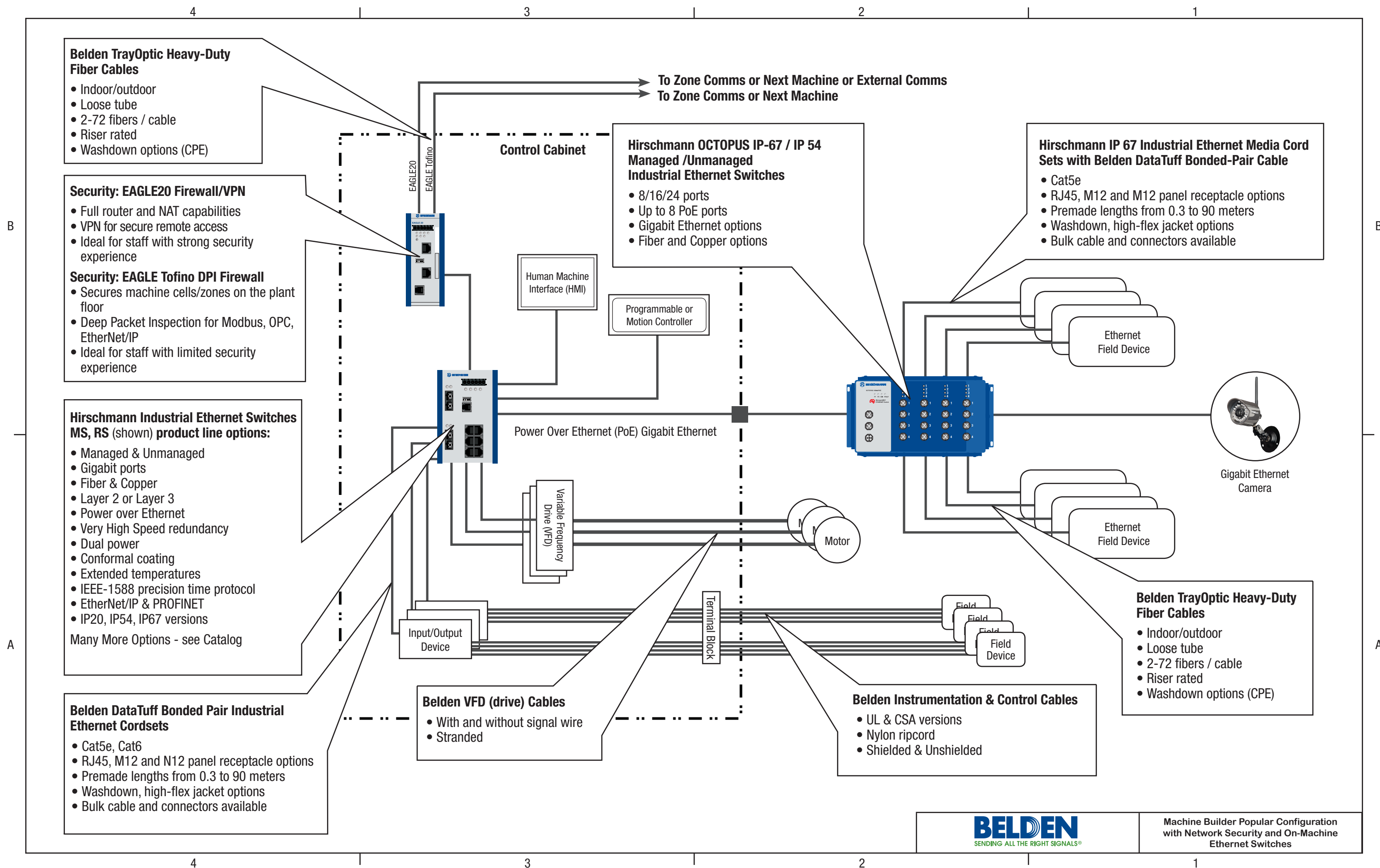




BOM	RS & MS SWITCHES	ORDER NO.
	Hirschmann RS20 8x 10/100 Mbps 2x fiber uplinks	RSR20-0800M2M2T1SCCHPHH
	Hirschmann MS20 2 slots max 8 10/100Mbps ports	943 435-001
	Hirschmann MS Module 4x10/100 Mbps RJ45	943 722-101
	Hirschmann MS Module 4x100 Mbps MM SC	943 835-101
	RS/MS Power Supplies 24vDC rail	943 662-015
	RS/MS Config Back up – ACA 21-USB EEC	943 271-002
	Industrial HiVision Network Management Software 25 nodes	943 156-025
SECURITY		
EAGLE20 Firewall		
OR		
EAGLE20 Tofino Security Appliance		
EAGLE Tofino Central Management Platform		
EAGLE Tofino Firewall LSM		
EAGLE Tofino Secure Asset Management LSM		
EAGLE Tofino Modbus Enforcer LSM (Optional)		
EAGLE Tofino OPC Enforcer LSM (Optional)		
EAGLE Tofino EtherNet/IP Enforcer LSM(Optional)		
OCTOPUS IP-67 SWITCHES		
Hirschmann Octopus 8M-6PoE Layer 2 Switch		
ACA21 auto configuration adapter for Octopus		
COPPER ETHERNET CABLES & CORDSETS		
DataTuff Bonded Pair 5e 2pr shield 1m RJ45-RJ45 PVC		
DataTuff Bonded Pair 5e 4pr shield 2m RJ45-M12 TPE		
DataTuff Bonded Pair 5e 4pr shield 55m M12-M12 TPE		
DataTuff Bonded Pair 5e 4pr shield bulk		
DataTuff Bonded Pair Cat6 4pr unshield bulk		
FIBER ETHERNET CABLES & CORDSETS		
TrayOptic Heavy Duty Fiber– OM3 (10G@300m) PVC		
TrayOptic Heavy Duty Fiber– OM3 (10G@300m) CPE		
INSTRUMENTATION & CONTROL CABLES		
Instrumentation 600V TC Shielded PVC/Nylon		
Control Cable UL 600V TC Shileded PVC/Nylon		
VFD CABLES		
1000V UL Flexible Motor Supply Cable Stranded AB 160/1305		
1000V UL Flexible Motor Supply Cable Stranded AB 1336		
Network Management Software		
Industrial HiVision, 25 nodes		

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

Overview

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 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.

Machine Builder Popular Configuration with Network Security and On-Machine Ethernet Switches | 011213