

Industrial Ethernet Connectivity

Taking control of your Industrial Network applications and eliminating the frustration of using multiple networks for business, office, plant floor and everything in-between is made easy. Controlling your machinery, supervising your factory and managing your enterprise network are now made possible with Ethernet and Ethernet/IP (Ethernet Industrial Protocol) – an open industrial networking standard that supports both real-time I/O messaging and message exchange.

About Lumberg Automation EtherNet Cordsets

These cordsets are available with both four pin and eight pin Micro (M12), RJ45 male and female terminations and RJ45 male and female bayonet configurations. The M12 is a proven design that has been used for many years in harsh factory environments.

- **100% Factory tested and certified Category 5E.** Every Lumberg etherMATE® product is factory tested and certified to Cat5e in compliance with 100 Base T.
- **Industrial grade Cat5e Cable.** This proven in the field product is able to withstand the harsh factory floor environment with all of its challenges.
- **Factory molded to cable M12 or RJ45 terminations.** Insures Cat5e compliance right out of the box. Allows for quick plug and play capabilities and eliminates the need for multiple cabling systems thus reducing down time, installation and maintenance costs.
- **Easy to install speedy protocol.** Ethernet is faster than other networks and allows for remote access for diagnostics and programming. Industrial Ethernet can easily reconfigure assembly lines for robotics, packaging, food and beverage and numerous other applications from remote locations.

- **Lumberg Automation's etherMATE® provides sealed IP67 - M12 connectors.** Eliminates dust, water and other contaminants from the contacts and terminations, reducing downtime and maintenance issues.



Industrial Ethernet Cordsets rated for 10 Million Continuous Flex Cycles!

Lumberg Automation, a market leader in the development of Industrial Ethernet Connectivity Products introduces **e-FLEX™** – a line of Industrial Grade Ethernet Cordsets that have a continuous flex of 10 million cycles at a bend radius of 20X the cable diameter while maintaining Category 5E compliance.

e-FLEX™ supports Ethernet applications where Robotics, C-Tracks, and Machine-Welds and Splatter are found. The newly designed series of **e-FLEX™** Cordsets include:



e-FLEX™ Bayonet locking double-ended cordset, male RJ45 to male RJ45, with teal or red TPE jacket, 4 pair, 24 AWG, CAT-5e stranded and unshielded, IP 67 rated. **Available:** October 2007

Teal Jacket

Part Number: 0985 711 501/...M

Red Jacket (Ether-SAFE Applications)

Part Number: 0985 712 501/...M

Standard Cable Lengths: 1M, 2M, 3M, 4M, 5M, 6M, 8M, 10M, 12M, 15M, 18M, 21M, 24M, 27M, 30M, 35M, 40M, 45M, 50M, 55M, 60M



e-FLEX™ double-ended Ethernet cordset, male RJ45 to male RJ45, with teal or red TPE jacket, 4 pair, 24 AWG, stranded and unshielded. IP 20 rated.

Available: October 2007

Teal Jacket

Part Number: 0985 711 500/...M

Red Jacket (Ether-SAFE Applications)

Part Number: 0985 712 500/...M

Standard Cable Lengths: .15M, .3M, 1M, 2M, 3M, 4M, 5M, 6M



e-FLEX™ Ethernet/IP double-ended cordset, Micro (M12) male to Micro (M12) male, with teal TPE jacket, 4 pins, 24 AWG, stranded and unshielded with 2 twisted pair. IP 67 rated.

Available: August 2007

Part Number: 0985 706 100/...M

Standard Cable Lengths: 1M, 2M, 3M, 4M, 5M, 6M, 8M, 10M, 12M

To download a datasheet for these products, visit our website: www.lumberg-automationusa.com/ethernet or **SEARCH** for part numbers:

- ▶ 0985 711 501
- ▶ 0985 712 501
- ▶ 0985 711 500
- ▶ 0985 712 500
- ▶ 0985 706 100

Ethernet Panel-Mount Receptacle with Bayonet Lock



etherMATE® panel mount receptacle, 4-pair panel feed-through with Bayonet Lock on exterior. IP 67 rated (bayonet side only).

Available: October 2007

Part Number: 0981 ENC 500

Additional Standard Industrial Ethernet Cat5e Cordsets from Lumberg Automation

2 Pair Shielded and Unshielded Cordsets

- ▶ **0985 708 100/...M** (straight wired, high flex, shielded, double-ended cordset, 4 pin Micro (M12) male straight D-coded connector to 4 pin Micro (M12) male straight D-coded connector, teal jacket)
- ▶ **0985 708 101/...M** (crossover wired, high flex, shielded, double-ended cordset, 4 pin Micro (M12) male straight D-coded connector to 4 pin Micro (M12) male straight D-coded connector, teal jacket)
- ▶ **0985 708 103/...M** (high flex, shielded, double ended cordset, 4 pin, male Micro (M12) D-coded straight connector to 2 pair, male RJ45 straight, teal jacket)
- ▶ **0985 708 500/...M** (high flex, shielded, double-ended cordset, 4-pair male RJ45 straight to 4-pair Male RJ45 straight, teal jacket)

- ▶ **0985 708 104/...M** (high flex, shielded, double-ended cordset, female 4-pin, D-coded Micro (M12) receptacle to male RJ45, teal jacket)
- ▶ **0985 707 100/...M** (straight wired, moderate flex, shielded, double-ended cordset, male 4-pin, Micro (M12) D-coded straight, to male 4-pin D-coded Micro (M12) straight, teal jacket)
- ▶ **0985 707 101/...M** (crossover wired, moderate flex shielded, double-ended cordset, male 4-pin, D-coded Micro (M12) straight, to male 4-pin D-coded Micro (M12) straight, teal jacket)
- ▶ **0985 707 500/...M** (moderate flex, shielded, double-ended cordset, male RJ45 straight, to male RJ45 straight, teal jacket)
- ▶ **0985 706 103/...M** (high flex, unshielded, double-ended cordset, male 4-pin D-coded Micro (M12) straight to male RJ45, teal jacket)
- ▶ **0985 706 100/...M** (straight wired, high flex, unshielded, double-ended cordset, male 4-pin, D-coded Micro (M12) straight, to male 4-pin D-coded Micro (M12) straight, teal jacket)
- ▶ **0985 706 101/...M** (crossover wired, high flex, unshielded, double-ended cordset, male 4-pin, D-coded Micro (M12) straight, to male 4-pin D-coded Micro (M12) straight, teal jacket)
- ▶ **0985 706 103/...M** (hi flex, unshielded, double-ended cordset, male RJ45 straight, to male RJ45 straight, teal jacket)
- ▶ **0985 706 500/...M** (hi flex, unshielded, double-ended cordset, male RJ45 straight, to male RJ45 straight, teal jacket)
- ▶ **0985 706 104/...M** (high flex, unshielded, double-ended cordset, female 4-pin, D-coded Micro (m12) receptacle to male RJ45, teal jacket)
- ▶ **0985 705 100/...M** (straight wired, moderate flex, unshielded, double-ended cordset, male 4-pin, D-coded Micro (M12) straight, to male 4-pin D-coded Micro (M12) straight, teal jacket)
- ▶ **0985 705 101/...M** (crossover wired, moderate flex, unshielded, double-ended cordset, male 4-pin, D-coded Micro (M12) straight, to male 4-pin D-coded Micro (M12) straight, teal jacket)
- ▶ **0985 705 500/...M** ((moderate flex, unshielded, double-ended cordset, male RJ45 straight, to male RJ45 straight, teal jacket)

Note: *Custom Ethernet products are available upon request. Please contact your local Lumberg-Automation Sales Representative.*

About Lumberg Automation

Lumberg Automation, North America designs, manufactures, markets, and sells connectors and components for Industrial Automation applications throughout the United States, Canada, and Mexico. The company services the Manufacturing Industry (NAICS 31-33), with Industrial Connectivity, Fieldbus, Industrial Ethernet, and Food and Beverage connectivity products and solutions. Additionally, the company is well positioned to support special applications along with private label agreements. To obtain a datasheet on these products and others, visit our website: www.lumberg-automationusa.com/ethernet or call **804.379.2010** and ask to speak to a customer service representative.

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