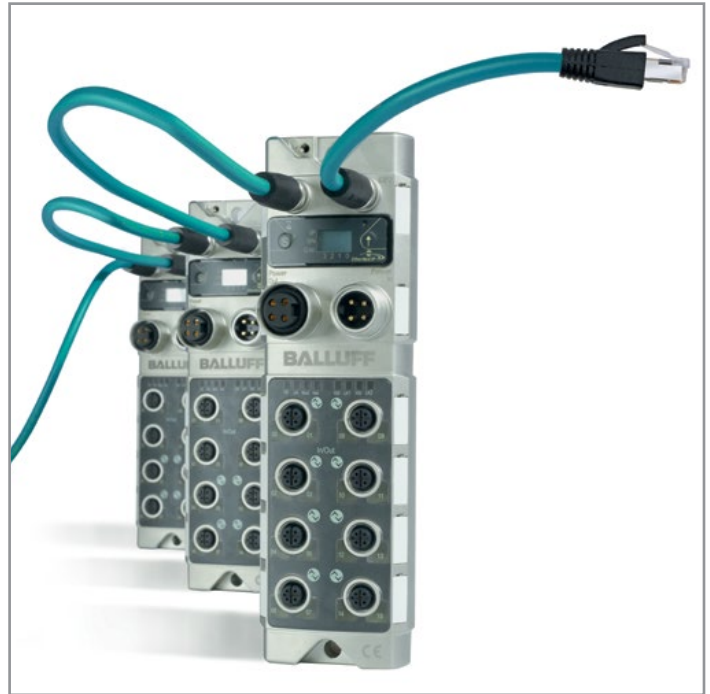# Product Update

BALLUFF

Balluff Connectivity
TPE Shielded 2-pair Cat5e Ethernet Cables

Ethernet has become a popular network for connecting field devices to centralized control solutions. Ethernet allows designers to seamlessly integrate a broad range of compatible connectivity products. Whether implementing EtherNet/IP or EtherCAT in assembly automation, packaging, plastics, research, energy or any other industry, there is a need for tracking and communicating data.

Balluff offers a variety of industrial connectivity solutions for EtherNet/IP and EtherCAT applications with a complete teal cordset portfolio. Now, with the addition of red and blue cable jackets, customers can visually divide their plant operations for even easier tracking of communication data.

Balluff TPE Shielded Cable Features:
- Teal, red, and blue cable jackets
- ODVA complaint, Cat5e rated
- Chemical, Oil, and UV resistant
- 600V, 2-twisted pair, 24 AWG
- 10 million flex (Dx20)
- M12 and RJ45 combinations

Type	Length (meters)	M12-M12, D-coded	M12, D-coded RJ45	RJ45-RJ45
Teal	0.6	BCC09NL	BCC0E92	BCC0E8K
	1	BCC09NM	BCC0E91	BCC0E8L
	2	BCC09NN	BCC0E90	BCC0E8F
	5	BCC09NP	BCC0E8Z	BCC0E8H
	10	BCC09NR	BCC0E8P	BCC0E8J
	15	BCC09NT	BCC0E8W	BCC0E8E
	20	BCC09NU	BCC0E8U	BCC0ENE
Red	0.6	BCC0J5K	BCC0J5P	BCC0HNL
	1	BCC0J1J	BCC0J5R	BCC0HNM
	2	BCC0J1K	BCC0J5T	BCC0HNN
	5	BCC0J1L	BCC0J1P	BCC0HNU
	10	BCC0J1M	BCC0J1R	BCC0HNY
	15	BCC0J1N	BCC0J1U	BCC0HNZ
	20	BCC0J5L	BCC0J1T	BCC0HP0
Blue	0.6	BCC0J29	BCC0J67	
	1	BCC0J2A	BCC0J68	
	2	BCC0J2C	BCC0J69	
	5	BCC0J2E	BCC0J6A	
	10	BCC0J2F	BCC0J6C	
	15	BCC0J2H	BCC0J6E	
	20	BCC0J2J	BCC0J6F	

Balluff has developed a comprehensive line of EtherNet/IP products that include multiple versions of machine-mount I/O blocks, unmanaged switches, network cables and accessories.

Standard I/O Blocks EtherNet/IP	
16 Input PNP	BNI004M
16 Configurable PNP	BNI004F
12 Configurable, 4 IO-Link	BNI004A
8 Configurable, 8 IO-Link	BNI006A
RFID Block	BIS0122
Standard I/O Blocks EtherCAT	
8 Configurable, 8 IO-Link	BNI0077
RFID Block	BIS00U9
Unmanaged Switches	
5 port, IP20	BNI005E
8 port, IP20	BNI0067
9 port, IP67	BNI0089