Connectivity Solutions for Industrial Automation

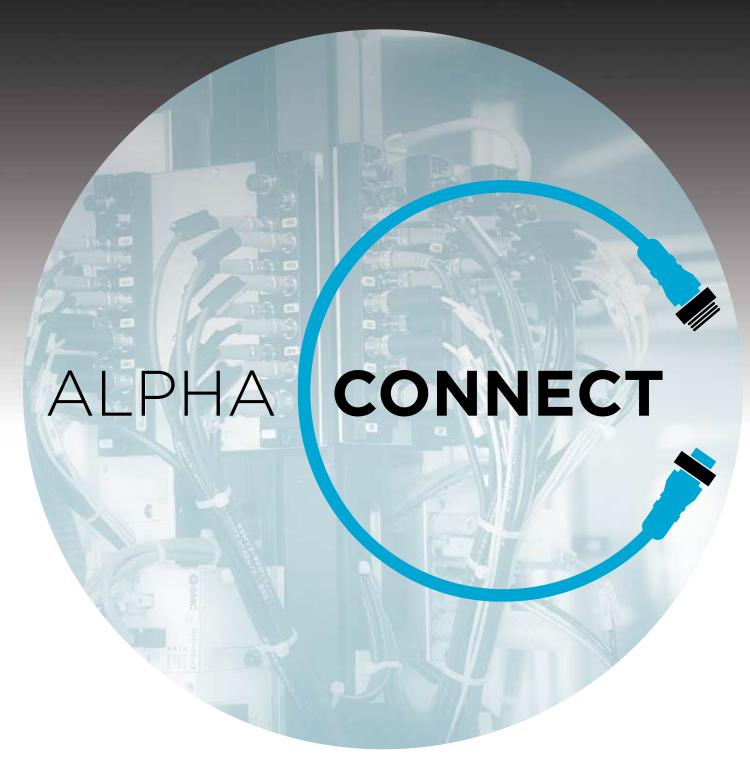




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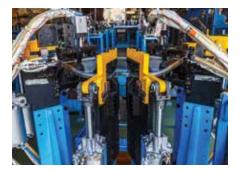
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Connecting Productivity



Alpha Wire now makes it easier to achieve reliable, high-performance industrial connectivity. Alpha Connect provides an end-to-end solution for connecting sensors and actuators on the factory floor. Alpha Connect ensures safe and reliable communication in industrial environments to decrease downtime and increase productivity.





- Passive distribution boxes with up to twelve M8 or eight M12 ports
- Two-way splitters
- Cordsets with M8, M12, M23, MINI, RJ45 connectors
- Receptacle connectors
- Field attachable connectors

Easy to Use

Distribution boxes mount conveniently at the machine, simplifying wiring and saving space. Boxes are available with or without LED indicators. To speed maintenance and repairs, LEDs simplify troubleshooting to find errors and system malfunctions.

The compact distribution boxes save you space in several ways. They consolidate and simplify wiring from sensors/actuators to the controller. They also eliminate the need for additional enclosures. Some modules support two I/O channels per port so that an 8-port box can handle 16 signals.

Rugged overmolded cordsets, available with connectors on one or both ends, provide a plug and play solution in seven standard lengths to allow shorter installation times. Our field attachable connectors include either solder cups or screw termination for easy field installation to decrease human error.

Easy to Get

With a large in-stock inventory, we make it easy to get the products you need fast.

Mechanically and Environmentally Rugged

Alpha Connect products are designed for the factory floor, with industrial temperature ranges, IP67 sealing, and resistance to vibration, shock, and other hazards. Because the Alpha Connect system offers environmental sealing, the need for additional enclosures is eliminated.

Stainless Steel for Food and Beverage Applications

Stainless-steel models combine IP69K protection and washdown capabilities with additional protection against corrosion and aggressive chemical and cleaning agents.

Alpha Connect . . . At a Glance









Flexible Cordsets

Configurations

Connectors: Terminated one or

both ends

M8: 3 and 4 conductors

M12: 3, 4, 5, 8, and 12 conductors M12 D Code: 2 pairs, Ethernet M12 to RJ45 Ethernet: 4 pairs M23: 12 and 19 conductors

MINI 7/8": 3, 4, and 5 conductors RJ45 Ethernet: 2 pairs, shielded

or unshielded

Cables

mPPE Insulation, ZH-PUR Jacket, 22 AWG (AWM 21959)

SR-PVC Insulation, -40°C
Premium PVC Jacket, 18 AWG
(AWM 2661)

SR-PVC Insulation, TPE Jacket, 18 AWG (PLTC, AWM 20327)

SR-PVC Insulation, PVC Jacket, 24 AWG

PVC/Nylon Insulation, TPE Jacket, 16 AWG (TC-ER)

PO Insulation, TPE Jacket, Cat 5e 24 AWG (CMR, CMG)

PP Insulation, ZH-PUR Jacket, 24 AWG (AWM 20549/21198)

Passive Distribution Boxes

Materials

Housing: Die-cast zinc, TPU or

stainless steel

Contacts: Copper alloy, plated

gold over nickel

Environmental

Temperature Range: Up to +80°C

Sealing: IP67/IP69K

Electrical

Nominal Current at +40°C:

1.5 A to 4 A per port and up to

12 A per module

Nominal Voltage: 10 to 30 VDC

Configurations

M8: 4, 6, 8, 10, or 12 ports

M12: 4, 6, 8 ports

Channels per Port: 1 or 2

LEDs per Port: With or without **Cabled:** with 5 m or 10 m homerun cable for direct attachment to controller or similar device **Connectorized:** with M12 or M23 connector integrated in

housing to accept Alpha Wire

cable or cordsets



Cordset Part Numbering System



J W 03 0 0 107 **CONNECTOR TYPE, END 1 CABLE TYPE** O Unterminated / Cut End (Unshielded unless noted) A M12 Female mPPE Insulation, ZH-PUR Jacket, 22 AWG **D** M12 Male (AWM 21959) E M23 Female **100** 3 Conductor F M23 Male **101** 4 Conductor **G** M8 Female 102 5 Conductor **H** M8 Male 123 8 Conductor J MINI Female, 7/8" External Thread SR-PVC Insulation, -40°C PVC Jacket, 22 AWG K MINI Female, 7/8" (AWM 2661) L MINI Male, 7/8" 103 8 Conductor, 24 AWG P MINI Male, 7/8" Internal Thread 104 3 Conductor 105 4 Conductor 106 5 Conductor **CONNECTOR STYLE, END 1** SR-PVC Insulation, TPE Jacket, 18 AWG O Unterminated / Cut End (PLTC, AWM 20327) **R** Straight **107** 3 Conductor W Right Angle (90°) 108 4 Conductor 109 5 Conductor **C** Receptacle 8 Conductor, 22 AWG **NUMBER OF POLES** PVC/Nylon Insulation, TPE Jacket, 16 AWG 3, 4, 5, 8 113 3 Conductor, 16 AWG **CONNECTOR TYPE. END 2** 114 4 Conductor, 16 AWG O Unterminated / Cut End 5 Conductor A M12 Female PO Insulation, TPE Jacket, 24 AWG **D** M12 Male (CMR, CMG) E M23 Female 117 4 Conductor F M23 Male 4 Conductor, Foil/Braid Shield **G** M8 Female PP Insulation, ZH-PUR Jacket, 24 AWG **H** M8 Male (AWM 20549/21198) J MINI Female, 7/8" External Thread 124 8 Conductor K MINI Female, 7/8" **125** 12 Conductor L MINI Male, 7/8" 126 12 Conductor, Composite MINI Male, 7/8" Internal Thread 127 19 Conductor, Composite SR-PVC Insulation, PVC Jacket, 24 AWG **Q** RJ45 128 8 Conductor, Foil/Braid Shield **CONNECTOR STYLE, END 2** O Unterminated / Cut End

R Straight

W Right Angle (90°)C Receptacle

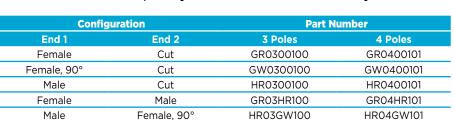
M8 Connectors



Widely used in industrial automation and factory floor applications, M8 connectors provide a compact size that enables cleaner cable management.

EcoFlex® PUR Cable: mPPE Insulation, Slate Zero-Halogen Polyurethane Jacket

22 AWG (26/36) Bare Copper Conductors AWM 21959 • UL Sun Res • 60C Oil Res IP67, IP68/NEMA 6P Protection • -50°C to +90°C • 600 V Bend Radius: 4x Static, 5x Dynamic • 5 Million Flex Life Cycles



Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m



M8-to-M12 Cordsets

EcoFlex® PUR Cable: mPPE Insulation, Slate Zero-Halogen Polyurethane Jacket

22 AWG (26/36) Bare Copper Conductors
AWM 21959 • UL Sun Res • 60C Oil Res
IP67, IP68/NEMA 6P Protection • -50°C to +90°C • 600 V
Bend Radius: 4x Static, 5x Dynamic • 5 Million Flex Life Cycles

Confi	Configuration		umber
M12 End	M8 End	3 Poles	4 Poles
Male	Female	DR03GR100	DR04GR101
Male	Female, 90°	DR03GW100	DR04GW101

M12 Connector





Our M12 cordsets handle flex applications up to 5 million flex life cycles. They are available in 300 V and 600 V versions with a range of materials to meet your application conditions.

mPPE Insulation, Slate Zero-Halogen Polyurethane Jacket

22 AWG (26/36) Bare Copper Conductors
AWM 21959 • UL Sun Res • 60C Oil Res
IP67, IP68/NEMA 6P Protection • -40°C to +105°C • 600 V
Bend Radius: 4x Static, 5x Dynamic • 5 Million Flex Life Cycles

Configu	ıration	Part Number			
End 1	End 2	3 Poles	4 Poles	5 Poles	8 Poles
Female	Cut	AR0300100	AR0400101	AR0500102	AR0800123
Female, 90°	Cut	AW0300100	AW0400101	AW0500102	AW0800123
Male	Cut	DR0300100	DR0400101	DR0500102	DR0800123
Male	Female	DR03AR100	DR04AR101	DR05AR102	DR08AR123
Male	Female, 90°	DR03AW100	DR04AW101	DR05AW102	DR08AW123

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m

SR-PVC Insulation, -40°C Slate PVC Jacket

22 AWG (26/36) Bare Copper Conductors AWM 21959 • UL Sun Res • 60C Oil Res IP67, IP68/NEMA 6P Protection • -40°C to +105°C • 300 V Bend Radius: 7x Static, 10x Dynamic • 5 Million Flex Life Cycles

Configuration			Part N	umber	
End 1	End 2	3 Poles	4 Poles	5 Poles	8 Poles (24 AWG)
Female	Cut	AR0300104	AR0400105	AR0500106	AR0800103
Female, 90°	Cut	AW0300104	AW0400105	AW0500106	AW0800103
Male	Cut	DR0300104	DR0400105	DR0500106	DR0800103
Male	Female	DR03AR104	DR04AR105	DR05AR106	DR08AR103
Male	Female, 90°	DR03AW104	DR04AW105	DR05AW106	DR08AW103

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m

SR-PVC Insulation, Slate TPE Jacket

22 AWG (41/34) Bare Copper Conductors

PLTC • AWM 20327

IP67, IP68/NEMA 6P Protection • -40°C to +105°C • 300 V Bend Radius: 7x Static, 10x Dynamic • 5 Million Flex Life Cycles

Configu	Part Number	
End 1	End 2	8 Poles
Female	Cut	AR0800112
Female, 90°	Cut	AW0800112
Male	Cut	DR0800112
Male	Female	DR08AR112

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m

M12 Connector



Polypropylene Insulation, Slate Zero-Halogen PUR Jacket

24 AWG (19/36) Bare Copper Conductors • Braid Shield, 85% Coverage AWM 20549/21198 • 300 V

Bend Radius: 5x Static, 10x Dynamic • 2 Million Flex Life Cycles

Configuration		Part Number	
End 1	End 2	8 Poles	12 Poles
Female	Cut	AR0800124	AR1200125
Female, 90°	Cut	AW0800124	AW1200125
Male, Internal Threads	Cut	DR0800124	_
Male, Internal Threads	Female	DR08AR124	_

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m

SR-PVC Insulation, Slate PVC Jacket, Foil + Braid Shield

24 AWG (7/32) Bare Copper Conductors AWM 2661

IP67, IP68/NEMA 6P Protection • -40°C to +105°C • 300 V

Bend Radius: 8x

Configuration	Configuration Part Number	
End 1	End 2	8 Poles
Female	Cut	AR0800128
Male, Internal Threads	Cut	DR0800128
Male, Internal Threads	Female	DR08AR128

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 \mbox{m}

MINI 7/8" Connectors



MINI 7/8" connectors are an industry-standard midpower connectors used for sensor and actuator connection in harsh industrial environments. Easily identified by the yellow color, the connectors are widely used with well-established protocols such as PROFIBUS. Our 7/8" cable assemblies are available in both 300 V PLTC and 600 V TC-ER versions in a variety of configurations. Cables use finely stranded conductors to help achieve 5 million flex life cycles.

SR-PVC Insulation, TPE Jacket

18 AWG Stranded (41/34) Bare Copper Conductors PLTC, AWM 20327 IP67, IP68/NEMA 6P Protection -45°C to +80°C • 300 V

Bend Radius: 7x Static, 10x Dynamic • 5 Million Flex Life Cycles

Configuration		Part Number		
End 1	End 2	3 Poles	4 Poles	5 Poles
Female	Cut	KR0300107	KR0400108	KR0500109
Female, 90°	Cut	KW0300107	KW0400108	KW0500109
Male	Cut	LR0300107	LR0400108	LR0500109
Male, 90°	Cut	LW0300107	LW0300108	_
Male	Female	LR03KR107	LR04KR108	LR05KR109
Male	Female, 90°	LR03KW107	LR04KW108	LR05KW109



Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m

PVC/Nylon Insulation, TPE Jacket

16 AWG (65/34) Bare Copper TC-ER • UL Sun Res • UL Oil Res I/II

IP67, IP68/NEMA 6P Protection • -40°C to +105°C • 600 V Bend Radius: 7x Static, 10x Dynamic • 5 Million Flex Life Cycles

Configuration	Configuration			Part Number		
End 1	End 2	3 Poles	4 Poles	5 Poles		
Female	Cut	KR0300113	KR0400114	KR0500115		
Female, 90°	Cut	KW0300113	KW0400114	KW0500115		
Male	Cut	LR0300113	LR0400114	LR0500115		
Male	Female	LR03KR113	LR04KR114	LR05KR115		
Male	Female, 90°	LR03KW113	LR04KW114	LR05KW115		
Male, Internal Thread	Cut	PR0300113	PR0400114	PR0500115		
Male, Internal Thread	Female	PR03KR113	PR04KR114	PR05KR115		
Male, Internal Thread	Female, 90°	PR03KW113	PR04KW114	PR05KW115		

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 \mbox{m}

Flexible Cordsets for Ethernet





Our Industrial Ethernet cables use D-Code M12 or RJ45 connectors and a 2-pair construction. They meet Cat 5e applications to support data rates up to 1 Gb/s. Choose between unshielded for smallest diameter or foil/braid shielding for signal integrity in noisy environments.

M12 Ethernet Cordsets

PO Insulation, Teal TPE Jacket

24 AWG (7/32) Tinned Copper Conductors Unshielded: CMR, CMG • Shielded: AWM 20626

IP67, IP68/NEMA 6P Protection • -40°C to +75°C • 300 V

Bend Radius: 9x Unshielded, 11x Shielded • 5 Million Flex Life Cycles

Config	uration	Part N	umber
End 1	End 2	4 Poles, Unshielded	4 Poles, Foil + Braid
Male	Female	DR04AR117	_
Male	Male	DR04DR117	DR04DR118
Female	Female	AR04AR117	_
Male, 90°	Female	DW04AR117	_
Male, 90°	Male	DW04DR117	<u>-</u>
Male, 90°	Male, 90°	DW04DW117	_

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m





RJ45 Connectors and M12 to RJ45

PO Insulation, Teal TPE Jacket

24 AWG (7/32) Tinned Copper Conductors
Unshielded: CMR, CMG • Shielded: AWM 20626
IP67, IP68/NEMA 6P Protection • -40°C to +75°C • 300 V
Bend Radius: 9x Unshielded, 11x Shielded • 5 Million Flex Life Cycles

Configu	Configuration		Number
End 1	End 2	Unshielded	Foil + Braid Shield
RJ45	RJ45	QR04QR117	QR04QR118
M12, Male	RJ45	DR04QR117	DR04QR118
RJ45	M12, Female	QR04AC117	QR04AC118
M12, Male, 90°	RJ45	DW04QR117	_
		*	

Standard Lengths: 0.6, 1, 3, 5, 10, 15, and 20 m

Cordsets

M23 Connectors





M23 cordsets are designed for use with our connectorized distribution boxes as a homerun cable, or for power applications on the plant floor. The cables are used to connect distribution boxes to the PLC or other control device.

PP Insulation, Black Zero-Halogen Polyurethane Jacket

Composite 20 AWG (65/38) and 17 AWG (210/40) Conductors AWM 20549

IP67, IP68/NEMA 6P Protection • -40°C to +80°C • 300 V Bend Radius: 5x Static, 10x Dynamic

Configuration		Part Number	
End 1	End 2	12 Poles	19 Poles
Female	Cut	ER1200126	ER1900127
Female, 90°	Cut	EW1200126	EW1900127
Male	Cut	FR1200126	FR1900127
Male, 90°	Female, 90°	FW12EW126	FW19EW127

Standard Lengths: 5, 10, 15, and 20 m

Bulk CableMulticonductor Cable

Insulation	Jacket	Wire Size (Shielding)	No. of Conductors	Part No.
		Unshielded Cable		
			3	100
mPPE	ZH-PUR	22 AWG (26/36) BC	4	101
IIIPPE	ZH-POR	22 AWG (20/30) BC	5	102
			8	123
		22 AWG (26/36) BC	8	112
SR-PVC	TPE		3	107
SR-PVC	IPE	18 AWG (41/34) BC	4	108
			5	109
			3	113
PVC/Nylon	/Nylon TPE	16 AWG (65/34) BC	4	114
			5	115
PP	ZH-PUR	20 AWG (65/38) BC	8 (20 AWG) / 3 (17 AWG)	126
	ZH-PUR	17 AWG (210/40) BC	16 (20 AWG) / 3 (17 AWG)	127
		24 AWG (19/36) BC	5	103
SR-PVC	-40°C Premium PVC		3	104
SR-PVC	-40 C Premium PVC	22 AWG (26/36) BC	4	105
			5	106
		Braid Shielded Cable		
PP	ZH-PUR	24 AWG (19/36) BC	8	124
	Zn-PUR	24 AVVG (19/30) BC	12	125
		Foil + Braid Shielded Cable	е	
SR-PVC	-40°C Premium PVC	24 AWG (7/32) BC	8	128

Ethernet Twisted-Pair Cable Cat 5e, 2 Pair

Cable Tyres	Part No.		
Cable Type:	Unshielded	Foil + Braid	
PO Insulation / TPE Jacket 24 AWG (7/32) TC conductors	117	118	

M12 Distribution Boxes

Thermoplastic Housings for Industrial Use



Configuration

Ports: 4, 6, or 8 M12 receptacles

Signals per Port: 1 or 2

Control Cable:

Black zero-halogen polyurethane

Control Connector: M23

Materials

Housing: Thermoplastic polyurethane, flame retardant **Insert:** Glass-filled polyamide,

flame retardant

Contacts: Copper zinc, plated

gold over nickel

Receptacle Shell: Copper zinc,

nickel plated

O-Ring: FKM fluoroelastomer

Environmental

Sealing: IP67/NEMA 6P
Temperature Range: -15°C to

+80°C

Electrical

Contact Resistance: $5 \text{ m}\Omega$ max.

Voltage Rating:

Without LEDs: 30 VDC
With LED: 10 to 30 VDC
Current Rating: 4 A Per Port /

12 A total

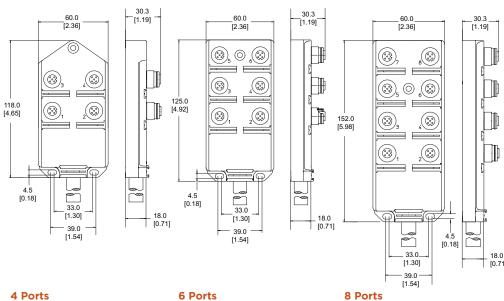
Accessories (Included)

Dust Covers Attachable Labels



Ports Signals/Ports		LEDs		Part Number			
Ports	Ports Signals/Ports		Connectorized	5 m Cable	10 m Cable		
	1 _	Yes	916-CN	916-5M	916-10M		
4		No	_	917-5M	917-10M		
4	2	Yes	918-CN	918-5M	918-10M		
	2 -	No	919-CN	919-5M	919-10M		
	1 _	Yes	912-CN	912-5M	912-10M		
6		No	913-CN	913-5M	913-10M		
O	2 -	Yes	914-CN	914-5M	914-10M		
	2	No	915-CN	915-5M	915-10M		
	1 -	Yes	908-CN	908-5M	908-10M		
8		No	909-CN	909-5M	909-10M		
8	2 -	Yes	910-CN	910-5M	910-10M		
	2 -	No	911-CN	911-5M	911-10M		

Note: LEDs are wired for use with pNp sensors.



4 Ports 916, 917, 918, 919 Series

6 Ports 912, 913, 914, 915 Series

908, 909, 910, 911 Series

M12 Distribution Boxes

Die-Cast Housings for Increased Ruggedness





Configuration

Ports: 4-pole M12 receptacles

Signals per Port: 1 or 2

Control Cable:

Black zero-halogen polyurethane

Control Connector:

12-pole M23 receptacle

Materials

Housing: Die-Cast zinc **Potting:** 2K polyurethane

Insert:

M12: Glass-filled polyamide

M23: PBT

Contacts: Copper zinc, plated

gold over nickel

Environmental

Sealing: IP65/67

Temperature Range: -40°C to +80°C (UL: 60°C max.)

Dynamic Applications -25°C

to +60°C

Electrical

Contact Resistance: $5 \text{ m}\Omega$ max. Voltage Rating: 10 to 30 VDC Current Rating: 4 A per port

12 A total

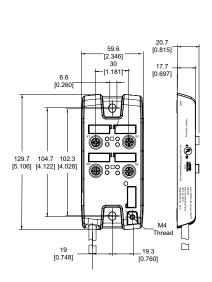
Accessories (Included)

Dust Covers

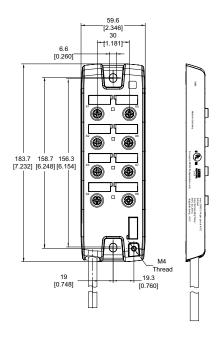
Attachable Labels

Ports Signals/Ports		LEDs	Part Number			
		LEDS	Connectorized	5 m Cable	10 m Cable	
	1 _	Yes	904-CN	904-5M	904-10M	
4		No	905-CN	905-5M	905-10M	
4	2 -	Yes	906-CN	906-5M	906-10M	
	2	No	907-CN	907-5M	907-10M	
	1 _	Yes	900-CN	900-5M	900-10M	
8		No	901-CN	901-5M	901-10M	
0	2 -	Yes	902-CN	902-5M	902-10M	
	2	No	903-CN	903-5M	903-10M	

Note: LEDs are wired for use with pNp sensors.



4 Ports 904, 905, 906, 907 Series



8 Ports 908, 909, 910, 911 Series

M12 Distribution Boxes

Stainless Steel Housings for Food/Beverage and Medical Applications



Configuration

Ports: 8 M12 receptacles Signals per Port: 1 Control Cable: Black PVC

Materials

Housing: Stainless steel, 360

Contact Insert: PVC

Contacts: Copper zinc, plated

gold over nickel

Mechanical/Environmental

Sealing: IP67/IP69K

Temperature Range: -25°C to

+70°C

Electrical

Rated Voltage: 10 to 30 VDC

Rated Current: 4 A per port 12 A total

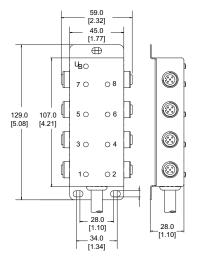
Accessories (Included)

M12 Dust Covers Attachable Labels



Ports	Signals/Ports	LEDs	Part N	umber
Ports	Signals/Ports	LEDS	20 m Cable	10 m Cable
8	1	Yes	920-20M	920-10M

Note: LEDs are wired for use with pNp sensors.



8 Ports 920 Series

M8 Distribution Boxes

Thermoplastic Housings for Industrial Use





Configuration

Ports: 3-pole M8 receptacles

Signals per Port: 1 Control Cable:

Black zero-halogen polyurethane **Control Connector:** 12-pole

M12 receptacle

Materials

Housing: Thermoplastic polyurethane, flame retardant **Insert:** Glass-filled polyamide,

flame retardant

Contacts: Copper zinc, plated

gold over nickel

Environmental

Sealing: IP67/NEMA 6P **Temperature Range:** -15°C to

+80°C

Electrical

Voltage Rating:

With LED: 10 to 30 VDC

Current Rating: 4 A per port /

12 A total

Accessories (Included)

Dust Covers Attachable Labels

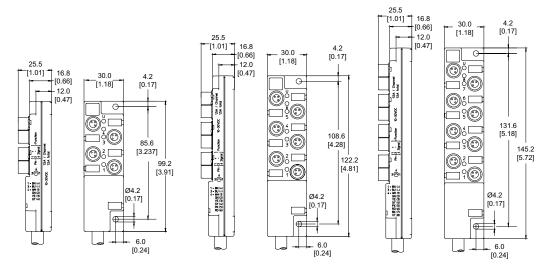
Dowle	Cianala/Dauta	LEDs	Part Number			
Ports	Signals/Ports	LEDS	Connectorized	5 m Cable	10 m Cable	
4	1	Yes	802-CN	802-5M	802-10M	
6	1	Yes	803-CN	803-5M	803-10M	
8	1	Yes	804-CN	804-5M	804-10M	
10	1	Yes	800-CN	800-5M	800-10M	
12	1	Yes	_	801-5M	801-10M	

Note: LEDs are wired for use with pNp sensors.

M8 Distribution Boxes

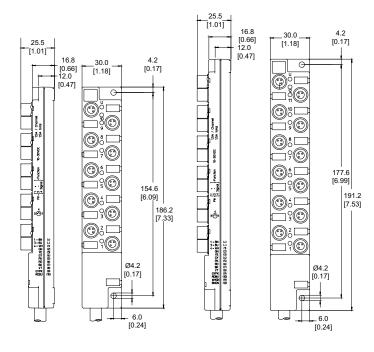
Thermoplastic Housings for Industrial Use





4 Ports 802, 806 Series

6 Ports 803 Series **8 Ports** 804, 805 Series



10 Ports 800 Series **12 Ports** 801 Series

Field Attachable Connectors





M8 Connectors

		Part Number
Style	Poles	0.138 - 0.197 Cable Dia.
Famala	3	210GR
Female	4	211GR
Mala	3	214HR
Male	4	215HR
Male,	3	212HR
Solder Cup	4	213HR

M12 Connectors

			Part Number	
Coupling Nut	Poles	0.118 - 0.256 Cable Dia.	0.158 - 0.315 Cable Dia.	2 x 0.118 - 0.256 Cable Dia.
Thermoplastic				
Female	4	202AR7	202AR9	_
remale	5	203AR7	203AR9	_
Female, 90°	4	204AW7	204AW9	_
remale, 90	5	206DR7	206DR7	_
Male	4	206DR7	206DR9	206DR2
Male	5	207DR7	207DR9	207DR2
Male, 90°	4	208DW7	_	_
Male, 90	5	209DW7	_	_
Stainless Steel				
Female	4	200ARS7	_	_
Male	4	201DRS7	<u>-</u>	_



MINI 7/8" Connectors

		Part Number					
Style	Poles	0.236 - 0.315 Cable Dia.	0.315 - 0.394 Cable Dia.	0.394 - 0.472 Cable Dia.	0.472 - 0.551 Cable Dia.		
	3	216KR9	216KR11	216KR13	216KR16		
Female	4	217KR9	217KR11	217KR13	217KR16		
	5	218KR9	218KR11	218KR13	218KR16		
Male.	3	219LR9	219LR11	219LR13	219LR16		
External	4	220LR9	220LR11	220LR13	220LR16		
Threads	5	221LR9	221LR11	221LR13	221LR16		
Male,	3	222PR9	_	222PR13	222PR16		
Internal	4	223PR9	223PR11	223PR13	223PR16		
Threads	5	224PR9	224PR11	224PR13	224PR16		

Receptacle Connectors



M8 Connectors, with 0.5 m Flying Leads

Chule	Poles	Color	Part Number			
Style	Poles	Code	Front Mount			
PG7 Mounting Holes						
	3	IEC	310GCF			
Female	4	IEC	312GCF			
Mala	3	IEC	311HCF			
Male	4	IEC	313HCF			

M12 Connectors, with 0.5 m Flying Leads

Style	Poles	Color	Part N	umber
Style	Poles	Code	Rear Mount	Front Mount
Thermoplastic: PG9 Mounti	ng Holes			
·	4	IEC	301ACR	301ACF
Female	5	U.S.		303DCF
	5	IEC	304ACR	304ACF
Mala	4	IEC	300DCR	300DCF
Male	5	IEC	302DCR	302DCF
Thermoplastic: 1/2 NPT				
Female	4	IEC		301ACN
remale	5	IEC		304ACN
Male	4	IEC		300DCN
Male	5	IEC		302DCN
Stainless Steel: M16 Mounti	ng Holes			
Female	4	IEC		306ACFS
remale	5	IEC		309ACFS
Male	4	IEC		305DCFS*
Male	5	IEC	_	307DCFS*
<u> </u>				



MINI 7/8" Connectors, with 0.3, 1, or 2 m Flying Leads

Style	Poles	Color	Part Number
Style		Code	Front Mount
Female, External Threads	3	U.S	314JCF
	4	U.S.	316JCF
	5	U.S.	318JCF
	3	IEC	315JCF
Female, Internal Threads	4	IEC	317KCF
internal Threads	5	IEC	319KCF
	7	U.S.	320LCF
	3	IEC	321LCF
Male,	4	U.S.	322LCF
External Threads	4	IEC	323LCF
		U.S.	324LCF
	5 -	IEC	325LCF



Splitters





2:1 T splitters permit two cables to be connected to a single 2 signal per port distribution box.

Configuration

Ports: 1:2 Splitter

Materials

Housing: Thermoplastic polyurethane, flame retardant

Insert: Thermoplastic

polyurethane, flame retardant

M12 Female: Polyamide,

flame retardant

Contacts:

Copper alloy, plated gold

over nickel

Coupling Nut:

Copper alloy

Environmental

Sealing: IP67/NEMA 6P Temperature Range: -25°C to +90°C

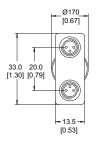
Electrical

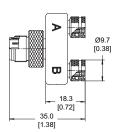
Voltage Rating: 30 V **Current Rating:** 4 A

Single Port	Double Ports	Body Style	Color	Part Number
M12 Male	M12 Female	Standard	Orange	SPL001 OR032
		Wide	Black	SPL001W BK032
M12 Male	M8 Female	Standard	Orange	SPL003 OR032

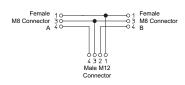
1:2 Splitter

M8 Connectors Part No. SPL003 OR032



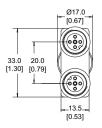


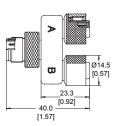




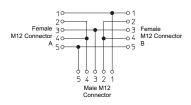
1:2 Splitter

M12 Connectors Part No. SPL001 OR032



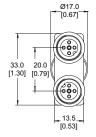


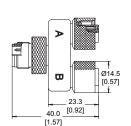




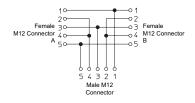
1:2 Splitter, Wide Body

M12 Connectors Part No. SPL001W BK032









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