

Mini Field-Attachable Connectors

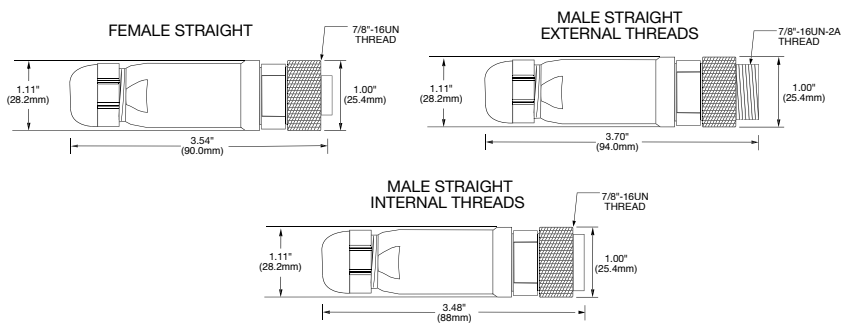
- Create the best cordset for an application: Choose your own jacket-type and lead length
- Accepts #24 - #15 AWG wire gauges
- 3- and 5-pin options



Specifications

Specifications	
MATERIAL DATA	
BODY	Polyamide PA6
INSERT	Polyurethane
CABLE TYPE	Customer option
CONTACTS	Brass (gold plated)
SHELL	N/A
WIRE GAUGE	#15-#24 AWG
CABLE DIAMETER RANGE	5-12 mm
COUPLING NUT	Nickel-plated brass
GROMMET	Neoprene
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	N/A
CURRENT RATING	Refer to model number selection
VOLTAGE RATING	600 VAC/ 600 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68
TEMPERATURE RANGE	-40 °F to +176 °F

Dimensions (mm)



Model Number Selection

Face View (female)	Color Code	Current Rating	Gender	Straight
	1. Green 2. Red/Black 3. Red/White	13A	F M M	V93-G ⚡ V93-G-SI ⚡ V93-G-SE ⚡
	1. Red/White 2. Red/Blue 3. Green 4. Red/Orange 5. Red/Black	8A	F M M	V95-G • V95-G-SI • V95-G-SE •

⚡ Stocked item

• Typical delivery 4 weeks or less

Consult factory for all other models

Subject to modifications without notice

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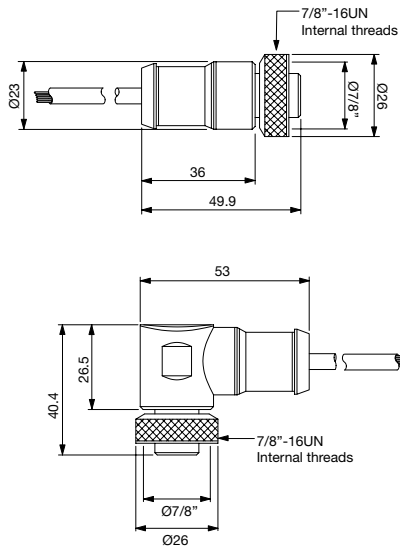


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Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow PUR
CABLE OUTER JACKET	Yellow STOOW
CONTACTS	Brass (gold plated)
CONTACT CARRIER	PUR
COUPLING NUT	Nickel-plated copper zinc
WIRE GAUGE	16 AWG
ELECTRICAL DATA	
NOMINAL CURRENT	10 A
RATED VOLTAGE	600 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68
TEMPERATURE RANGE	-22 °F to +221 °F

Dimensions (mm)



Mini Cordsets

7/8"-16 receptacle
AC and DC sensor
compatibility

- Yellow STOOW cable jacket
- Female version
- #16 AWG
- 3-, 4-, and 5-pin



Model Number Selection

Face View (female)	Color Code	Outer Diameter (mm)	Length (m)	Straight	Right Angle
	1. Green 2. Black 3. White	10.24	2 4 10	V93-G-YE2M-STOOW ⚡ V93-G-YE4M-STOOW ⚡ V93-G-YE10M-STOOW ⚡	V93-W-YE2M-STOOW ⚡ V93-W-YE4M-STOOW ⚡ V93-W-YE10M-STOOW ⚡
	1. Black 2. White 3. Red 4. Green	10.7	2 4	V94-G-YE2M-STOOW ⚡ V94-G-YE4M-STOOW ⚡	V94-W-YE2M-STOOW ⚡ V94-W-YE4M-STOOW ⚡
	1. White 2. Red 3. Green 4. Orange 5. Black	12.6	2 4	V95-G-YE2M-STOOW ⚡ V95-G-YE4M-STOOW ⚡	V95-W-YE2M-STOOW ⚡ V95-W-YE4M-STOOW ⚡

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

Subject to modifications without notice

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Female Mini Receptacles

7/8"-16 receptacle
AC and DC sensor
compatibility

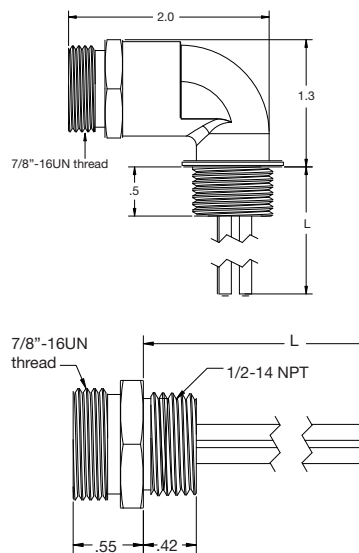
- Aluminum body
- #16 AWG
- 3-, 4-, and 5-pin



Specifications

Specifications	
MATERIAL DATA	
BODY	Clear anodized aluminum
INSERT	Oil resistant
CABLE TYPE	N/A
CONTACTS	Copper alloy (gold plated)
WIRE GAUGE	#16 AWG
LEAD LENGTH (L)	12"
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	2200 VAC
CURRENT RATING	Refer to model number selection
VOLTAGE RATING	600 VAC/ 600 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-40 °F to +194 °F

Dimensions (in.)



Model Number Selection

Face View (female)	Color Code	Current Rating	Style	Model Number
	1. Green 2. Black 3. White	13A	Straight Right Angle	1/2NPT-V93-G-.3M • 1/2NPT-V93-W-.3M •
	1. Black 2. White 3. Red 4. Green	10A	Straight	1/2NPT-V94-G-.3M •
	1. White 2. Red 3. Green 4. Orange 5. Black	8A	Straight	1/2NPT-V95-G-.3M •

- ⚡ Stocked item
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MATERIAL DATA	
BODY	Clear anodized aluminum
INSERT	PVC
CABLE TYPE	N/A
CONTACTS	Copper alloy (gold plated)
POTTING COMPOUND	Black rigid epoxy
WIRE GAUGE	#16 AWG
LEAD LENGTH (L)	12"
ELECTRICAL DATA	
CONTACT RESISTANCE	≤5mΩ
ELECTRICAL ISOLATION	2200 VAC
CURRENT RATING	Refer to model number selection
VOLTAGE RATING	600 VAC/ 600 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-40°F to +194°F

7/8"-16UN thread

1/2-14 NPT

55

42

L



Face View (male)	Wire Colors (standard)	Wire Colors (auto)	Current Rating	Color Code	Straight
	1. Green 2. Black 3. White	N/A	13A	Standard	1/2NPT-V93-G-S-.3M
	1. Black 2. White 3. Red 4. Green	N/A	10A	Standard	1/2NPT-V94-G-S-.3M
	1. White 2. Red 3. Green 4. Orange 5. Black	1. Red/White 2. Red/Black 3. Green 4. Red/Orange 5. Red/Black	8A 8A	Standard Auto	1/2NPT-V95-G-S-.3M 1/2NPT-V95A-G-S-.3M

- ⚡ Stocked item
- Typical delivery 4 weeks or less

Consult factory for all other models

Micro DC Field-Attachable Connectors

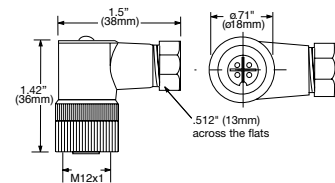
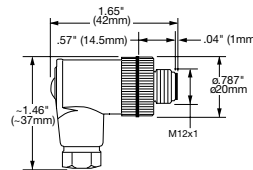
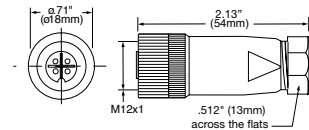
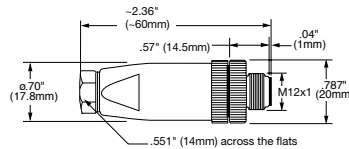
- Create the best cordset for an application: Choose your own jacket-type and lead length
- Accepts #18 AWG wire
- Male and female styles
- 4- and 5-pin design



Specifications

MATERIAL DATA	
BODY	Black nylon
INSERT	PVC
CABLE TYPE	Customer option
CONTACTS	Brass (gold plated)
SHELL	N/A
WIRE GAUGE	#18 AWG
COUPLING NUT	Nickel-plated diecast zinc
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	N/A
CURRENT RATING	4 A
VOLTAGE RATING	300 VAC/ 300 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +194 °F (-25 °C to +90 °C)

Dimensions (mm)



Model Number Selection

Gender	No. of Pins	Straight	Right Angle	Cable Diameter Range (mm)
Female	4	V1-G	V1-W	4-6
Male		V1S-G	V1S-W	
Female	5	V15-G PG9		6-8
Male		V15-G-S PG9		

⚡ Stocked item

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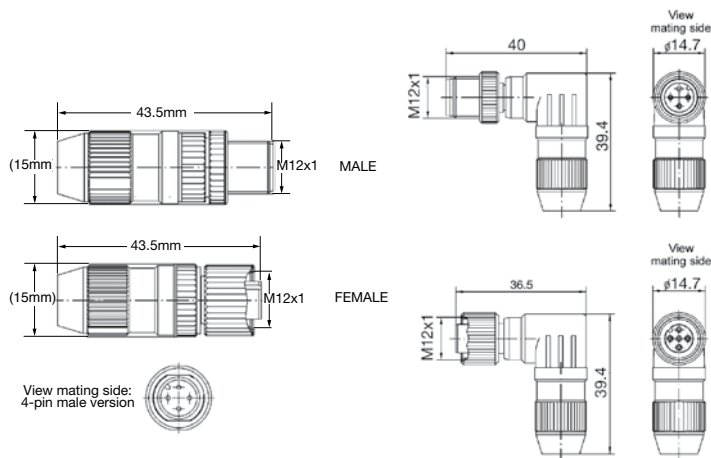
Specifications

Specifications	
MATERIAL DATA	
BODY	Metal/PVC
INSERT	PVC
CABLE TYPE	Customer option
CONTACTS	Brass (gold plated)
SHELL	N/A
WIRE GAUGE	#15-#24 AWG
COUPLING NUT	Aluminum
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	N/A
CURRENT RATING	4 A
VOLTAGE RATING	300 VAC/ 300 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +185 °F (-25 °C to +85 °C)

Micro DC Field-Attachable Connectors

- Create the best cordset for an application: Choose your own jacket-type and lead length
- Insulation displacement contact terminations provide quick assembly
- Accepts #24 & 22 AWG wire
- Male and female styles
- Rugged metal housing
- 4-pin design

Dimensions (mm)



Model Number Selection

Straight	Gender	Right Angle	Gender	Cable Diameter Range (mm)
V1-G-IDC	Female	V1-W-IDC	Female	4-5.1
V1-G-S-IDC	Male	V1-W-S-IDC	Male	

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

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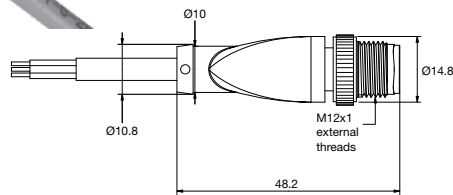
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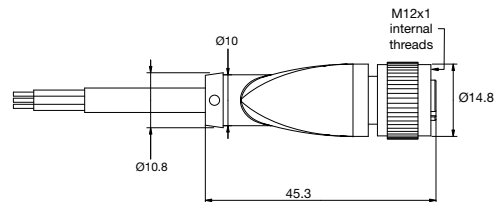
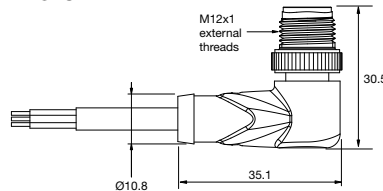
Gray PVC Micro Cordsets

12 mm receptacle
DC sensor compatibility

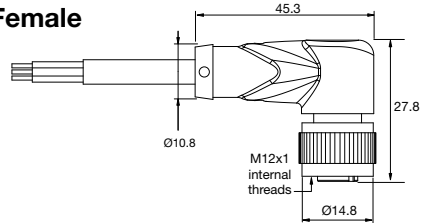
- Single key
- Gray PVC cable jacket
- #22 AWG
- Female or male connection
- 4- and 5-pin



Male



Female



Specifications

MATERIAL DATA

MOLDED HEAD	Green, flame-resistant PVC or PUR
INSERT	PUR
CABLE TYPE	Gray, flexible PVC jacket
CONTACTS	Machined copper and tin over gold
CONTACT PLATING	Copper and tin over nickel
SHELL	N/A
WIRE GAUGE	#22 AWG
COUPLING NUT	Copper and tin over nickel
CABLE OUTER DIAMETER	4.5 mm

ELECTRICAL DATA

CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	1500 VAC
CURRENT RATING	4 A
VOLTAGE RATING (4/5 pole)	300 VDC/60 VDC

ENVIRONMENT DATA

PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-13 °F to +212 °F

Dimensions (mm)

⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

Model Number Selection

Face View (female)	Color Code	Length (m)	Female Straight	Female Right Angle	Male Straight	Male Right Angle
	1. Brown	2	V1-G-2M-PVC ⚡	V1-W-2M-PVC ⚡	V1S-G-2M-PVC ⚡	V1S-W-2M-PVC ⚡
	2. White	5	V1-G-5M-PVC ⚡	V1-W-5M-PVC ⚡	V1S-G-5M-PVC ⚡	V1S-W-5M-PVC ⚡
	3. Blue	10	V1-G-10M-PVC ⚡	V1-W-10M-PVC ⚡	V1S-G-10M-PVC •	V1S-W-10M-PVC •
	4. Black	15	V1-G-15M-PVC •	V1-W-15M-PVC •		
	5. Not used	20	V1-G-20M-PVC •	V1-W-20M-PVC •		
	1. Brown	2	V15-G-2M-PVC ⚡	V15-W-2M-PVC ⚡	V15S-G-2M-PVC ⚡	
	2. White	5	V15-G-5M-PVC ⚡	V15-W-5M-PVC ⚡	V15S-G-5M-PVC ⚡	
	3. Blue	10	V15-G-10M-PVC ⚡	V15-W-10M-PVC ⚡	V15S-G-10M-PVC •	

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Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Green, flame-resistant PVC or PUR
INSERT	PUR
CABLE TYPE	Gray, flexible PUR jacket
CONTACTS	Machined copper and tin over gold
CONTACT PLATING	Copper and tin over nickel
SHELL	N/A
WIRE GAUGE	#22 AWG
COUPLING NUT	Copper and tin over nickel
CABLE OUTER DIAMETER	4.5 mm
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	1500 VAC
CURRENT RATING	4 A
VOLTAGE RATING (4/5 pole)	300 VDC/60 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-13 °F to +212 °F

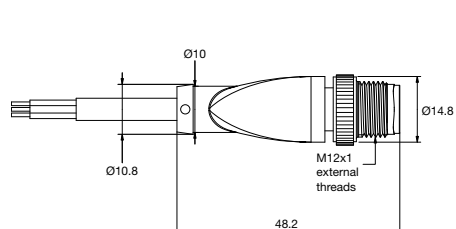
Gray PUR Micro Cordsets

12 mm receptacle DC sensor compatibility

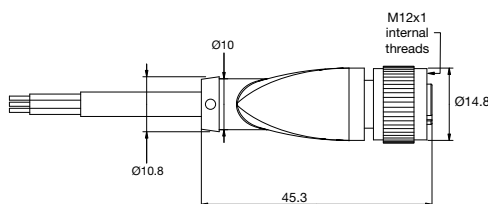
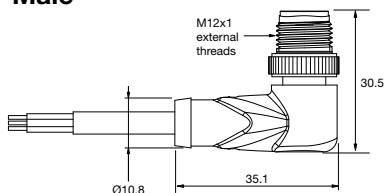
- Single key
- Gray PUR cable jacket
- #22 AWG
- Female or male connection
- 4- and 5-pin
- Halogen free



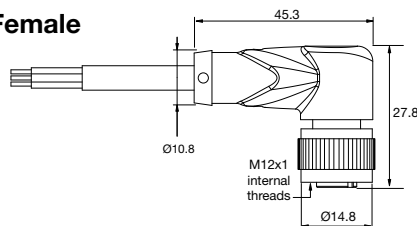
Cordsets Micro Cordsets



Male



Female



Model Number Selection

Face View (female)	Color Code	Length (m)	Female Straight	Female Right Angle	Male Straight	Male Right Angle
	1. Brown	2	V1-G-2M-PUR ⚡	V1-W-2M-PUR ⚡	V1S-G-2M-PUR ⚡	V1S-W-2M-PUR ⚡
	2. White	5	V1-G-5M-PUR ⚡	V1-W-5M-PUR ⚡	V1S-G-5M-PUR ⚡	V1S-W-5M-PUR ⚡
	3. Blue	10	V1-G-10M-PUR ⚡	V1-W-10M-PUR ⚡	V1S-G-10M-PUR •	V1S-W-10M-PUR •
	4. Black	15	V1-G-15M-PUR •	V1-W-15M-PUR •		
	5. Not used	20	V1-G-20M-PUR •	V1-W-20M-PUR •		
	1. Brown	2	V15-G-2M-PUR ⚡	V15-W-2M-PUR ⚡		
	2. White	5	V15-G-5M-PUR ⚡	V15-W-5M-PUR ⚡		
	3. Blue	10	V15-G-10M-PUR ⚡	V15-W-10M-PUR ⚡		
	4. Black					
	5. Green					

- ⚡ Stocked item
 - Typical delivery 4 weeks or less
- Consult factory for all other models

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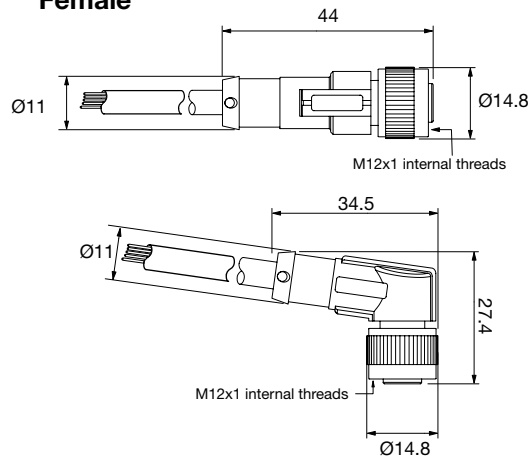
Yellow PVC Micro Cordsets

12 mm receptacle
DC sensor compatibility

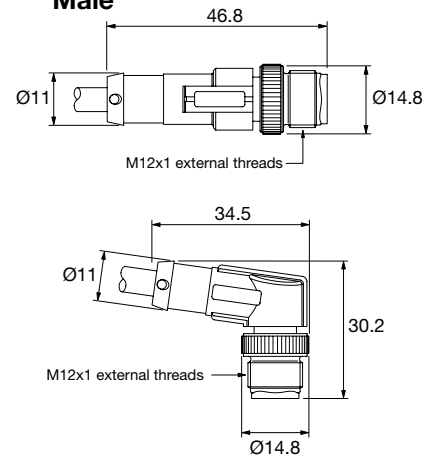
- Single key
- Yellow PVC cable jacket
- Female or male connection
- #22 AWG
- 4- and 5-pin



Female



Male



⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

Model Number Selection

Face View (female)	Color Code	Length (m)	Female Straight	Female Right Angle	Male Straight	Male Right Angle
	1. Brown 2. White 3. Blue 4. Black 5. Not used	2 5 10 20	V1-G-YE2M-PVC ⚡ V1-G-YE5M-PVC ⚡ V1-G-YE10M-PVC ⚡ V1-G-YE20M-PVC ⚡	V1-W-YE2M-PVC ⚡ V1-W-YE5M-PVC ⚡ V1-W-YE10M-PVC ⚡ V1-W-YE20M-PVC ⚡	V1-G-S-YE2M-PVC ⚡ V1-G-S-YE5M-PVC ⚡	V1-W-S-YE2M-PVC ⚡ V1-W-S-YE5M-PVC ⚡
	1. Brown 2. White 3. Blue 4. Black 5. Green	2 5	V15-G-YE2M-PVC ⚡ V15-G-YE5M-PVC ⚡	V15-W-YE2M-PVC ⚡ V15-W-YE5M-PVC ⚡		

Specifications

MATERIAL DATA

MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.5 mm

ELECTRICAL DATA

NOMINAL CURRENT	4 A
RATED VOLTAGE (4/5 pole)	300 V/125 V
CONTACT RESISTANCE	≤ 5 mΩ

ENVIRONMENT DATA

PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22 °F to +221 °F

Dimensions (mm)

Subject to modifications without notice

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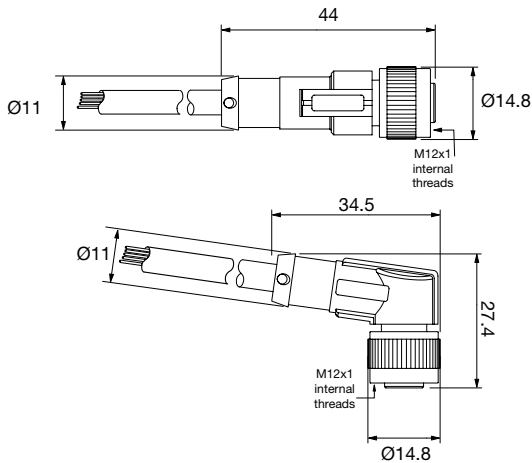


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Specifications

MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.2 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-13 °F to +176 °F

Dimensions (mm)



Yellow PUR Micro Cordsets

12 mm receptacle
DC sensor compatibility

- Single key
- Yellow PUR cable jacket
- Female connection
- #22 AWG
- 4-pin
- Halogen free



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight	Right Angle
	1. Brown	2	V1-G-YE2M-PUR ⚡	V1-W-YE2M-PUR ⚡
	2. White	5	V1-G-YE5M-PUR ⚡	V1-W-YE5M-PUR ⚡
	3. Blue	10	V1-G-YE10M-PUR ⚡	V1-W-YE10M-PUR ⚡
	4. Black			
	5. Not used			

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

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817

Yellow Irradiated PUR Micro Cordsets

12 mm receptacle
DC sensor compatibility

- 4-pin single key design
- Yellow irradiated PUR cable jacket
- Female version
- #18 AWG
- Ideal for welding applications
- Halogen free



Specifications

MATERIAL DATA

MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow irradiated PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	18 AWG
CABLE OUTER DIAMETER	6.2 mm

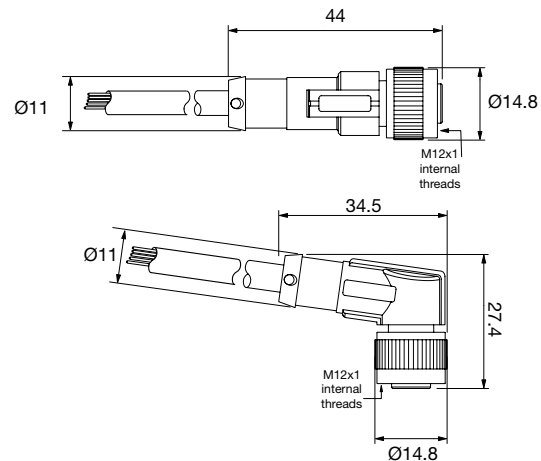
ELECTRICAL DATA

NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ

ENVIRONMENT DATA

PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-40 °F to +221 °F

Dimensions (mm)



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight	Right Angle
	1. Brown 2. White 3. Blue 4. Black 5. Not used	2 5 10	V1-G-YE2M-PUR-H/S ⚡ V1-G-YE5M-PUR-H/S ⚡ V1-G-YE10M-PUR-H/S ⚡	V1-W-YE2M-PUR-H/S ⚡ V1-W-YE5M-PUR-H/S ⚡ V1-W-YE10M-PUR-H/S ⚡

⚡ Stocked item

• Typical delivery 4 weeks or less

Consult factory for all other models

Subject to modifications without notice

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Specifications

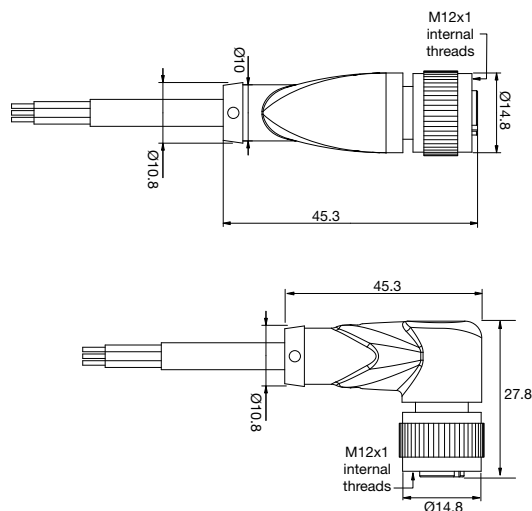
Specifications	
MATERIAL DATA	
MOLDED HEAD	Green TPU
CABLE OUTER JACKET	Orange irradiated PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPE
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	4.8 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-40 °F to +221 °F

Orange Irradiated PUR Micro Cordsets

12 mm receptacle DC sensor compatibility

- 4-pin single key design
- Orange irradiated PUR cable jacket
- Female version
- #22 AWG
- Ideal for welding applications
- Halogen free

Dimensions (mm)



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight		Right Angle	
	1. Brown	2	V1-G-2M-PUR H/S	⚡	V1-W-2M-PUR H/S	⚡
	2. White	5	V1-G-5M-PUR H/S	⚡	V1-W-5M-PUR H/S	⚡
	3. Blue	10	V1-G-10M-PUR H/S	⚡	V1-W-10M-PUR H/S	⚡
	4. Black	20	V1-G-20M-PUR H/S	⚡	V1-W-20M-PUR H/S	⚡
	5. Not used			•		•

⚡ Stocked item

• Typical delivery 4 weeks or less

Consult factory for all other models

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Braided Cable Micro Cordsets

12 mm receptacle
DC sensor compatibility

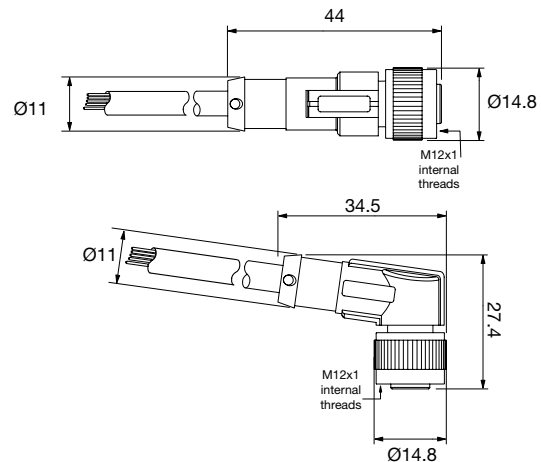
- Straight & right angle versions
- Yellow PVC coated AWM braided cable
- Female connection
- #22 AWG
- 4-pin



Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
SHIELD/COVERAGE	Copper braid, min. 85% coverage; mylar foil wrap
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.9 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22 °F to +221 °F

Dimensions (mm)



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight	Right Angle
	1. Brown	2	V1-G-YE2M-PVC-ABG	V1-W-YE2M-PVC-ABG
	2. White	5	V1-G-YE5M-PVC-ABG	V1-W-YE5M-PVC-ABG
	3. Blue			
	4. Black			
	5. Not used			

⚡ Stocked item

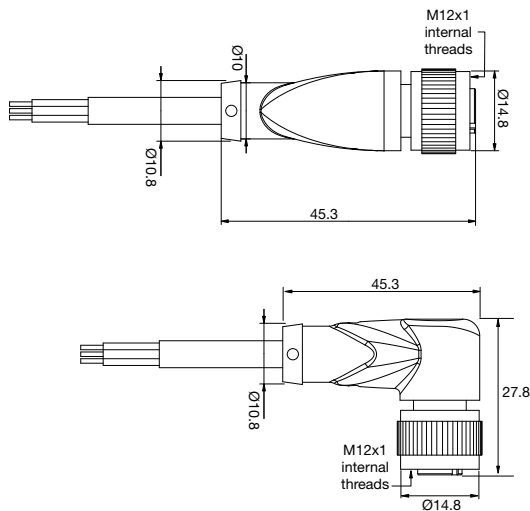
• Typical delivery 4 weeks or less

Consult factory for all other models

Specifications

Specifications	
MATERIAL DATA	
BODY	Blue PUR
INSERT	Black PUR
CABLE TYPE	Blue, flexible PUR jacket
CONTACTS	Machined copper and tin over gold
CONTACT PLATING	Copper and tin over nickel
SHELL	N/A
WIRE GAUGE	#22 AWG
COUPLING NUT	Copper and tin over nickel
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	1600 VAC
CURRENT RATING	3 A
VOLTAGE RATING	300 DC
ENVIRONMENT DATA	
PROTECTION CLASSES	NEMA 1,3,4, 6P, 13/IEC IP68
TEMPERATURE RANGE	-13 °F to +194 °F

Dimensions (mm)

Intrinsic Safety
Micro Cordsets12 mm receptacle
DC sensor compatibility

- Single key
- Blue PUR cable jacket
- Female version
- #22 AWG
- 2-pin
- For use with NAMUR proximity sensors



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight	Right Angle
	1. Brown	2	V1-G-N-2M-PUR ⚡	V1-W-N-2M-PUR ⚡
	2. Blue	5	V1-G-N-5M-PUR ⚡	V1-W-N-5M-PUR ⚡
	3. Not used	10	V1-G-N-10M-PUR ⚡	V1-W-N-10M-PUR ⚡
	4. Not used	15	V1-G-N-15M-PUR ●	V1-W-N-15M-PUR ●
	5. Not used	25	V1-G-N-25M-PUR ●	V1-W-N-25M-PUR ●

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

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Micro Cordsets with Power & Output LEDs

12 mm receptacle
DC sensor compatibility

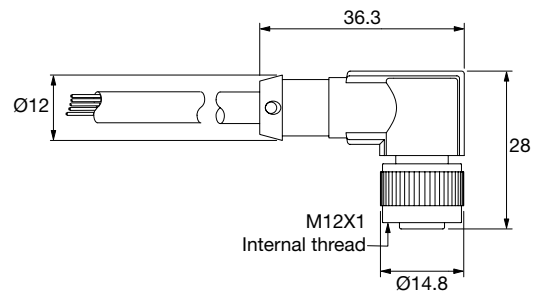
- Single key
- Yellow PVC cable jacket
- Female version
- #22 AWG
- 3-pin



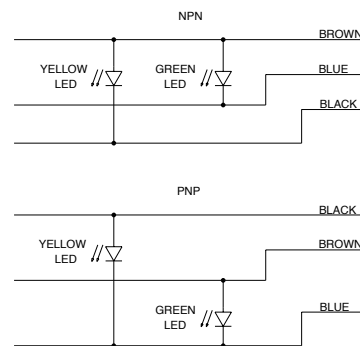
Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.2 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	24 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-22 °F to +221 °F

Dimensions (mm)



Wiring Information



Model Number Selection

Face View (female)	Color Code	Electrical Output	Length (m)	Straight
	1. Brown 2. Not used 3. Blue 4. Black 5. Not used	NPN PNP NPN PNP	2 2 5 5	V1-W-E0-YE2M-PVC ⚡ V1-W-E2-YE2M-PVC ⚡ V1-W-E0-YE5M-PVC ⚡ V1-W-E2-YE5M-PVC ⚡

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

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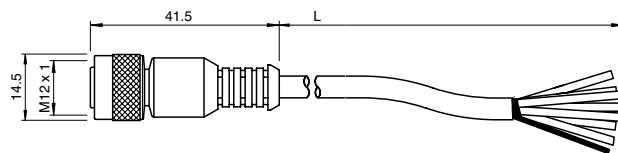
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PEPPERL+FUCHS
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Specifications

MATERIAL DATA	
MOLDED HEAD	Black PUR
INSERT	PUR
CABLE TYPE	Black PUR jacket
CONTACTS	Machined copper and tin over gold
CONTACT PLATING	Gold
WIRE GAUGE	#24 AWG
SHIELD/COVERAGE	Braid, min. 85% Coverage
COUPLING NUT	Nickel-plated zinc
CABLE OUTER DIAMETER	6.0 mm
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	1500 VAC
CURRENT RATING	2 A
VOLTAGE RATING	60 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +194 °F

Dimensions (mm)



Micro Cordsets

12 mm receptacle
DC sensor compatibility

- 8-pin single key design
- PUR cable jacket
- #24 AWG
- Female connection
- Shielded and unshielded cordsets



Model Number Selection

Face View (female)	Color Code	Length (m)	Model Number
		2	V17-G-2M-PUR
		5	V17-G-5M-PUR
		10	V17-G-10M-PUR
		2	V19-G-BK2M-PUR
		5	V19-G-BK5M-PUR
		10	V19-G-BK10M-PUR
		2	V19-G-2M-PUR-ABG
		5	V19-G-5M-PUR-ABG
		20	V19-G-20M-PUR-ABG

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

DC Micro Receptacles

1/2" NPT installation thread

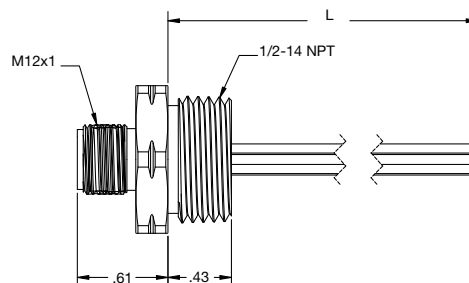
- Standard color codes
- Machined aluminum housing
- Male connection
- #22 AWG
- 5-pin, 4-wire receptacle



Specifications

Specifications	
MATERIAL DATA	
BODY	Clear anodized aluminum
INSERT	Polyamide
CONTACTS	Copper alloy (gold plated)
WIRE GAUGE	#22 AWG
LEAD LENGTH (L)	12"
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	N/A
CURRENT RATING	3 A
VOLTAGE RATING	600 VAC/ 600 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-40 °F to +221 °F

Dimensions (in.)



Model Number Selection

Face View (male)	Color Code	Current Rating	Size	Straight
	1. Brown 2. White 3. Blue 4. Black 5. Not used	3A	1/2" NPT	1/2NPT-V1-G-S-.3M ⚡

⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

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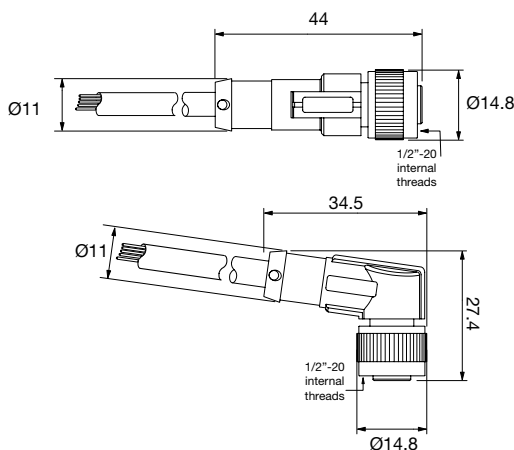
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Specifications

MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated brass
WIRE GAUGE	22 AWG
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300V/125V (4- and 5-pin)
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-22 °F to +221 °F

Dimensions (mm)



AC Micro Cordsets

For connection to P+F “V12”, “V124” and “V125” type sensors

- Dual key
- Yellow PVC cable jacket
- Straight or right angle
- Female connection
- #22 AWG
- 3-, 4-, and 5-pin design



- ⚡ Stocked item
 - Typical delivery 4 weeks or less
- Consult factory for all other models

Model Number Selection

Face View (female)	Color Code	Outer Diameter (mm)	Length (m)	Straight	Right Angle
	1. Green 2. Red/Black 3. Red/White	5.2	2 5 10	V12-G-YE2M-PVC ⚡ V12-G-YE5M-PVC ⚡ V12-G-YE10M-PVC ⚡	V12-W-YE2M-PVC ⚡ V12-W-YE5M-PVC ⚡ V12-W-YE10M-PVC ⚡
	1. Red/Black 2. Red/White 3. Red 4. Green	5.5	2 5	V124-G-YE2M-PVC ⚡ V124-G-YE5M-PVC ⚡	V124-W-YE2M-PVC ⚡ V124-W-YE5M-PVC ⚡
	1. Red/White 2. Red 3. Green 4. Red/Yellow 5. Red/Black	5.9	2 5	V125-G-YE2M-PVC ⚡ V125-G-YE5M-PVC ⚡	V125-W-YE2M-PVC ⚡ V125-W-YE5M-PVC ⚡

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AC Micro Cordsets

For connection to P+F "V11" type sensors

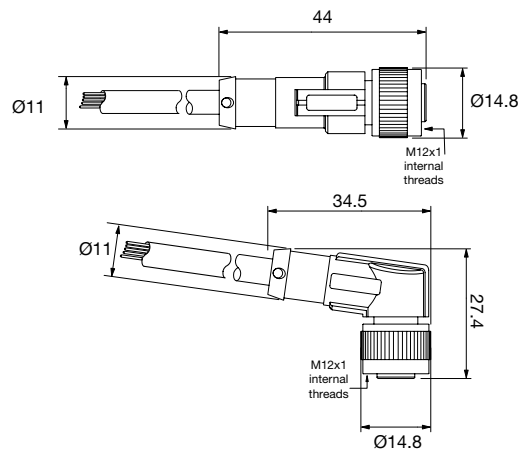
- Single key, B-coded
- Yellow PVC cable jacket
- Straight or right angle
- Female connection
- #22 AWG
- 4-pin, 3-wire design



Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.2 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300V/125V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22 °F to +221 °F

Dimensions (mm)



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight	Right Angle
	1. Black 2. Blue 3. Not used 4. Yellow/Green	2 4	V11B-G-YE2M-PVC V11B-G-YE4M-PVC	V11B-W-YE2M-PVC V11B-W-YE4M-PVC

- ⚡ Stocked item
 - Typical delivery 4 weeks or less
- Consult factory for all other models

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Specifications

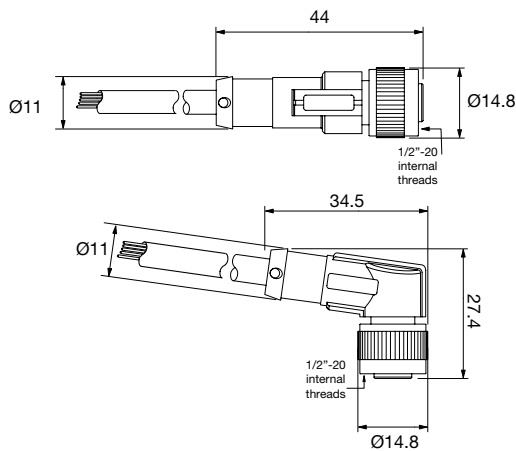
Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow irradiated PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated brass
WIRE GAUGE	18 AWG
CABLE OUTER DIAMETER	5.8 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/IP69K
TEMPERATURE RANGE	-40°F to +176°F

Irradiated PUR AC Micro Cordsets

For connection to P+F “V12”
type sensors

- 3-pin, dual key design
- Yellow irradiated PUR cable jacket
- Female connection
- #18 AWG
- Ideal for welding applications
- Halogen free

Dimensions (mm)



Model Number Selection

Face View (male)	Color Code	Length (m)	Straight	Right Angle
	1. Green	2	V12-G-YE2M-PUR-H/S ⚡	V12-W-YE2M-PUR-H/S ⚡
	2. Red/Black 3. Red/White	5	V12-G-YE5M-PUR-H/S ⚡	V12-W-YE5M-PUR-H/S ⚡

- ⚡ Stocked item
 • Typical delivery 4 weeks or less
 Consult factory for all other models

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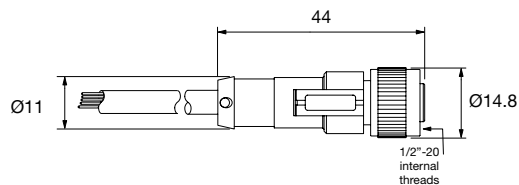
PEPPERL+FUCHS
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827

Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
SHIELD/COVERAGE	Copper braid, min. 85% coverage; mylar foil wrap
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.9 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22°F to +221°F

Dimensions (mm)



AC Micro Cordsets with Braided Shield

For connection to P+F “V12” type sensors

- 3-pin, dual key design
- Yellow PVC cable jacket
- Female connection
- #22 AWG
- Braided shield



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight
	1. Green	2	V12-G-YE2M-PVC-ABG ⚡
	2. Red/Black	5	V12-G-YE5M-PVC-ABG ⚡
	3. Red/White		

⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

Subject to modifications without notice

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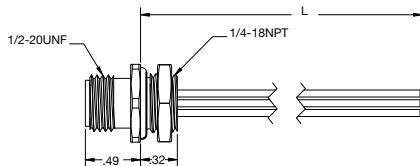
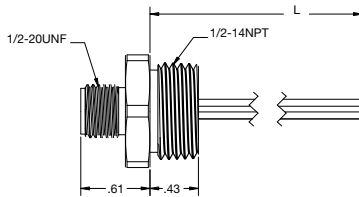
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Specifications

MATERIAL DATA	
BODY	Clear anodized aluminum
INSERT	Polyamide
CONTACTS	Copper alloy (gold plated)
WIRE GAUGE	#22 AWG
LEAD LENGTH (L)	12"
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	N/A
CURRENT RATING	3 A
VOLTAGE RATING	300 V
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-40 °F to +221 °F

Dimensions (in.)



AC Micro
Receptacles
1/4" & 1/2" NPT
installation thread

- Dual key design
- Male receptacle
- Aluminum housing
- #22 AWG wire
- 3- and 4-pin design

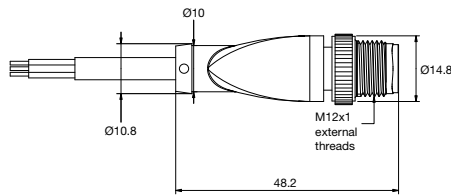


Model Number Selection				
Face View (male)	Color Code	Current Rating	Size	Male
	1. Green 2. Red/Black 3. Red/White	3A	1/2" NPT	1/2NPT-V12-G-S-.076M ⚡
	1. Red/Black 2. Red/White 3. Red 4. Green	3A 3A	1/4" NPT 1/2" NPT	1/4NPT-V124-G-S-.076M ⚡ 1/2NPT-V124-G-S-.076M •

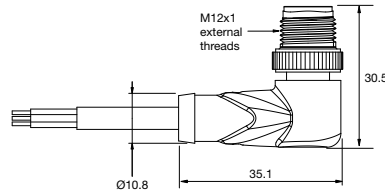
- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

Gray PVC or PUR DC Micro Extension Cables

- Single key
- Gray PVC or PUR (halogen-free) cable jacket
- #22 AWG
- Male to female
- Straight or right angle heads
- 4-pin



Male



Specifications

MATERIAL DATA

BODY	Green, flame-resistant PVC or PUR
INSERT	PUR
CABLE TYPE	Gray, flexible PVC or PUR jacket
CONTACTS	Machined copper and tin over gold
CONTACT PLATING	Copper and tin over nickel
SHELL	N/A
WIRE GAUGE	#22 AWG
COUPLING NUT	Copper and tin over nickel
CABLE OUTER DIAMETER	4.5 mm

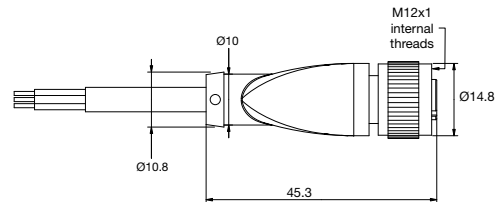
ELECTRICAL DATA

CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	1500 VAC
CURRENT RATING	4 A
VOLTAGE RATING	250 VDC

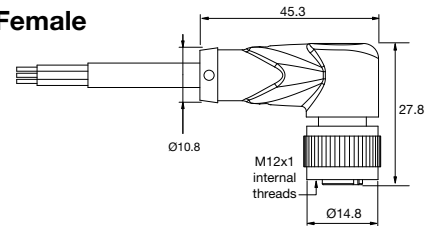
ENVIRONMENT DATA

PROTECTION CLASSES	IP68
TEMPERATURE RANGE	-40 °F to +176 °F

Dimensions (mm)



Female



Model Number Selection

Face View (female)	Color Code	Length (m)	Female Straight to Male Straight	Female Straight to Male Right Angle	Female Right Angle to Male Straight
	1. Brown 2. White 3. Blue 4. Black 5. Not used	2	V1-G-2M-PVC-V1-G ⚡	V1-G-2M-PVC-V1-W ⚡	V1-W-2M-PVC-V1-G ⚡
		5	V1-G-5M-PVC-V1-G ⚡	V1-G-5M-PVC-V1-W ⚡	V1-W-5M-PVC-V1-G ⚡
		10	V1-G-10M-PVC-V1-G ●	V1-G-10M-PVC-V1-W ●	V1-W-10M-PVC-V1-G ●
		2	V1-G-2M-PUR-V1-G ⚡	V1-G-2M-PUR-V1-W ⚡	V1-W-2M-PUR-V1-G ⚡
		5	V1-G-5M-PUR-V1-G ⚡	V1-G-5M-PUR-V1-W ⚡	V1-W-5M-PUR-V1-G ⚡
		10	V1-G-10M-PUR-V1-G ●	V1-G-10M-PUR-V1-W ●	V1-W-10M-PUR-V1-G ●
		0.5 to 2.5 (coiled)	V1-G-0.5/2.5M-PUR-V1-G ⚡		V1-W-0.5/2.5M-PUR-V1-G ⚡

⚡ Stocked item

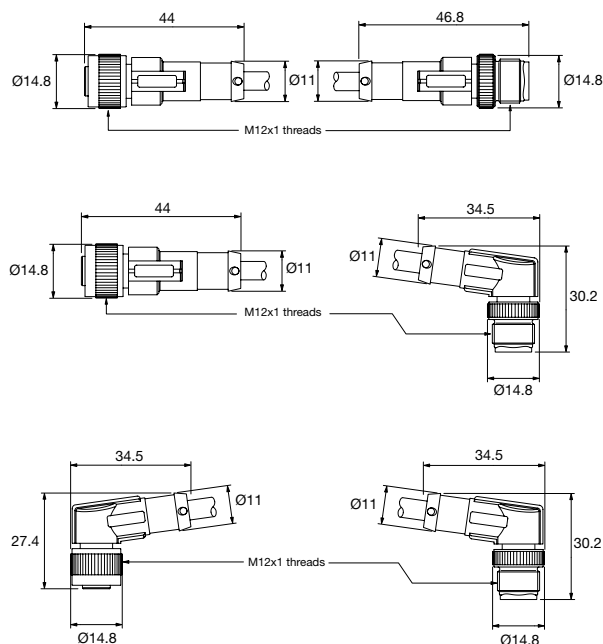
● Typical delivery 4 weeks or less

Consult factory for all other models

Specifications

MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.5 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22°F to +221°F

Dimensions (mm)



Yellow PVC DC Micro Extension Cables

- Single key
- Yellow PVC cable jacket
- #22 AWG
- Male to female
- Straight or right angle heads
- 4-pin



Model Number Selection

Face View (female)	Color Code	Length (m)	Female Straight to Male Straight	Female Straight to Male Right Angle	Female Right Angle to Male Right Angle
	1. Brown 2. White 3. Blue 4. Black 5. Not used	2 5 10	V1-G-YE2M-PVC-V1-G ⚡ V1-G-YE5M-PVC-V1-G ⚡ V1-G-YE10M-PVC-V1-G •	V1-G-YE2M-PVC-V1-W ⚡ V1-G-YE5M-PVC-V1-W ⚡ V1-G-YE10M-PVC-V1-W •	V1-W-YE2M-PVC-V1-W ⚡ V1-W-YE5M-PVC-V1-W ⚡ V1-W-YE10M-PVC-V1-W •

- ⚡ Stocked item
 • Typical delivery 4 weeks or less
 Consult factory for all other models

Subject to modifications without notice

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Orange Irradiated PUR DC Micro Extension Cables

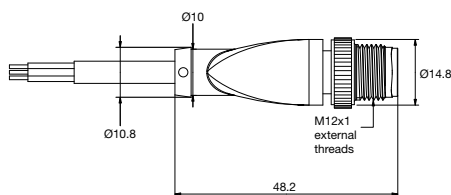
- 4-pin, single key
- Orange irradiated PUR cable jacket
- #22 AWG
- Male to female
- Straight or right angle heads
- Ideal for welding applications
- Halogen free



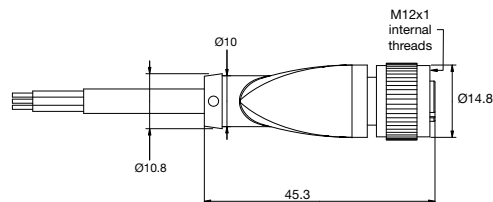
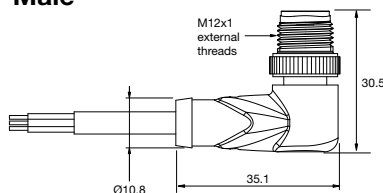
Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Green TPU
CABLE OUTER JACKET	Orange irradiated PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPE
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	4.8 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-40 °F to +221 °F

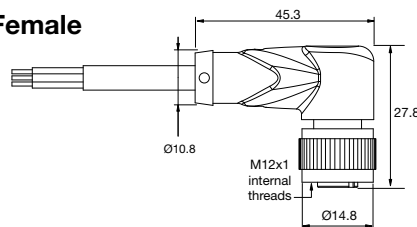
Dimensions (mm)



Male



Female



⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

Model Number Selection

Face View (female)	Color Code	Length (m)	Female Straight to Male Straight	Female Straight to Male Right Angle	Female Right Angle to Male Straight
	1. Brown 2. White 3. Blue 4. Black 5. Not used	2 5 10	V1-G-2M-PUR H/S-V1-G ⚡ V1-G-5M-PUR H/S-V1-G ⚡ V1-G-10M-PUR H/S-V1-G •	V1-G-2M-PUR H/S-V1-W ⚡ V1-G-5M-PUR H/S-V1-W ⚡ V1-G-10M-PUR H/S-V1-W •	V1-W-2M-PUR H/S-V1-G ⚡ V1-W-5M-PUR H/S-V1-G ⚡ V1-W-10M-PUR H/S-V1-G •

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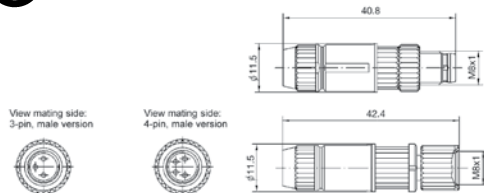
PEPPERL+FUCHS
SENSING YOUR NEEDS

Nano DC Field-Attachable Connectors

- Create the best cordset for an application. Choose your own jacket type and lead length
- Compatible with P+F "V3" style sensors
- Accommodates #26 - #22 AWG wire
- Plastic or metal body



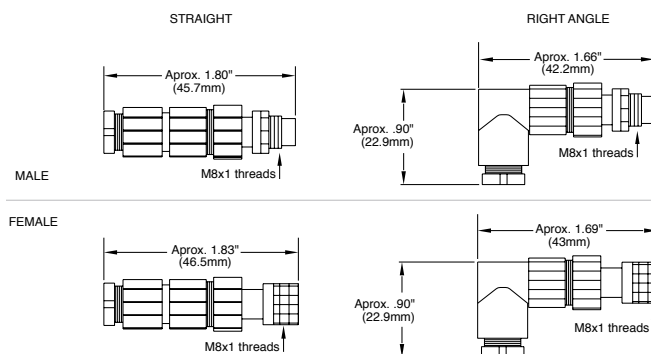
IDC:



Specifications

Specifications	
MATERIAL DATA	
BODY	Black polypropylene/IDC-PVC/metal
INSERT	N/A
CABLE TYPE	Copper alloy
CONTACTS	Machined brass or bronze (gold plated)
SHELL	N/A
WIRE GAUGE	#22 - 26 AWG
COUPLING NUT	Nickel-plated diecast zinc
CABLE DIAMETER RANGE	4-5.1 mm
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 10 mΩ
ELECTRICAL ISOLATION	N/A
CURRENT RATING	Refer to model number selection
VOLTAGE RATING	60 VAC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-40 °F to +176 °F (-40 °C to +80 °C)

Dimensions (mm)



⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

Model Number Selection

Face View (female)	Color Code	Type	Straight	Gender	Current Rating	Right Angle	Gender
	1. Brown 2. Blue 3. Black	Plastic Metal Plastic Metal	V3-GM V3-GM-IDC V3-GM-S V3-GM-S-IDC	Female Female Male Male	4A 3A 4A 3A	V3-WM V3-WM-S	Female Female Male Male
	1. Brown 2. White 3. Blue 4. Black	Plastic Plastic	V31-GM V31-GM-S	Female Male	3A 3A	V31-WM V31-WM-S	Female Male

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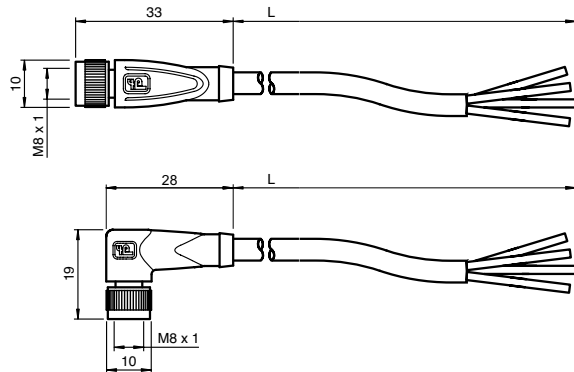
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Specifications

MATERIAL DATA	
BODY	Green TPU
INSERT	PVC
CABLE TYPE	Gray, flexible PVC or PUR jacket
CONTACTS	Machined copper and tin
CONTACT PLATING	Gold
SHELL	N/A
WIRE GAUGE	#22 AWG
COUPLING NUT	Die-cast zinc
CABLE OUTER DIAMETER	4.8 mm
ELECTRICAL DATA	
CONTACT RESISTANCE	≤ 5 mΩ
ELECTRICAL ISOLATION	1500 VAC
CURRENT RATING	4 A
VOLTAGE RATING	60 VDC
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68
TEMPERATURE RANGE	-22 °F to +212 °F

Dimensions (mm)



Nano Cordsets

8 mm receptacle
DC sensor compatibility

- Single key
- Gray PVC or PUR cable jacket
- #24 AWG
- Female version
- 3- and 4-pin
- Straight or right angle connection



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight (PVC)	Right Angle (PVC)	Straight (PUR)	Right Angle (PUR)
	1. Brown 2. Blue 3. Black	2 5 10	V3-GM-2M-PVC ⚡ V3-GM-5M-PVC ⚡ V3-GM-10M-PVC ●	V3-WM-2M-PVC ⚡ V3-WM-5M-PVC ⚡ V3-WM-10M-PVC ●	V3-GM-2M-PUR ⚡ V3-GM-5M-PUR ⚡ V3-GM-10M-PUR ●	V3-WM-2M-PUR ⚡ V3-WM-5M-PUR ⚡ V3-WM-10M-PUR ●
	1. Brown 2. White 3. Blue 4. Black	2 5 10	V31-GM-2M-PVC ⚡ V31-GM-5M-PVC ⚡ V31-GM-10M-PVC ●	V31-WM-2M-PVC ⚡ V31-WM-5M-PVC ⚡ V31-WM-10M-PVC ●	V31-GM-2M-PUR ⚡ V31-GM-5M-PUR ⚡ V31-GM-10M-PUR ●	V31-WM-2M-PUR ⚡ V31-WM-5M-PUR ⚡ V31-WM-10M-PUR ●

⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

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Snap-Lock Nano Cordsets

8 mm receptacle
DC sensor compatibility

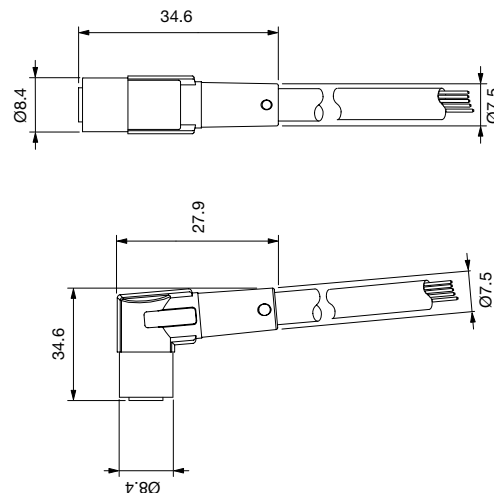
- Yellow PUR cable jacket
- Female version
- #24 AWG
- 3-pin
- Straight or right angle connection
- Halogen free



Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	N/A
WIRE GAUGE	24 AWG
CABLE OUTER DIAMETER	4.4 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	125 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-13 °F to +176 °F

Dimensions (mm)



Model Number Selection

Face View (female)	Color Code	Length (m)	Straight	Right Angle
	1. Brown 2. Blue 3. Black	2 5	V3-GR-YE2M-PUR ⚡ V3-GR-YE5M-PUR ⚡	V3-WR-YE2M-PUR ⚡ V3-WR-YE5M-PUR ⚡

⚡ Stocked item

- Typical delivery 4 weeks or less
Consult factory for all other models

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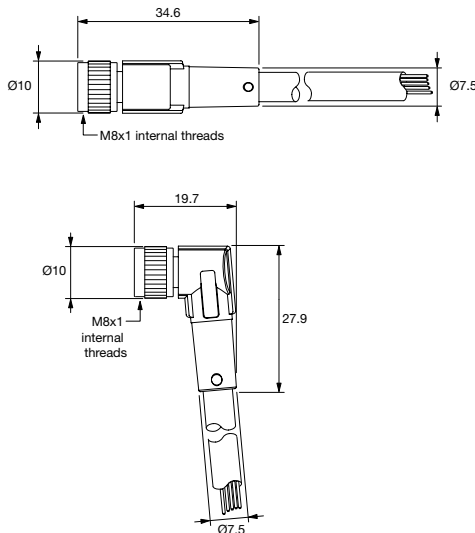
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PEPPERL+FUCHS
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Specifications

Specifications	
MATERIAL DATA	
MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	24 AWG
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	125 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22°F to +221°F

Dimensions (mm)

Thread-Lock
Nano Cordsets

8 mm receptacle
DC sensor compatibility

- Yellow PVC cable jacket
- Female version
- #24 AWG
- 3- and 4-pin
- Straight and right angle connection



Model Number Selection

Face View (female)	Color Code	Outer Diameter (mm)	Length (m)	Straight	Right Angle
	1. Brown 2. Blue 3. Black	5.0	2 5 10	V3-GM-YE2M-PVC V3-GM-YE5M-PVC V3-GM-YE10M-PVC	V3-WM-YE2M-PVC V3-WM-YE5M-PVC V3-WM-YE10M-PVC
	1. Brown 2. White 3. Blue 4. Black	5.2	2 5 10	V31-GM-YE2M-PVC V31-GM-YE5M-PVC V31-GM-YE10M-PVC	V31-WM-YE2M-PVC V31-WM-YE5M-PVC V31-WM-YE10M-PVC

⚡ Stocked item

- Typical delivery 4 weeks or less
- Consult factory for all other models

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Nano DC Cordsets with Power and Output LEDs

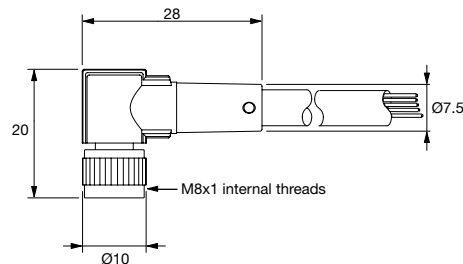
- Thread-lock versions
- PVC cable jacket
- #24 AWG wire



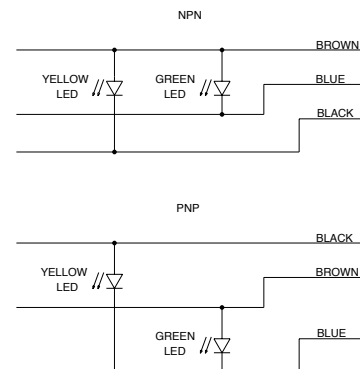
Specifications

MATERIAL DATA	
MOLDED HEAD	Clear TPU
CABLE OUTER JACKET	Yellow PVC
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	24 AWG
CABLE OUTER DIAMETER	5.0 mm
ELECTRICAL DATA	
NOMINAL CURRENT	4 A
RATED VOLTAGE	10-30 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP68/69K
TEMPERATURE RANGE	-22°F to +221°F

Dimensions (mm)



Wiring information



Model Number Selection

Face View (female)	Color Code	Electrical Output	Length (m)	Right Angle
	1. Brown 3. Blue 4. Black	NPN PNP NPN PNP	5 5 5 5	V3-WM-E0-YE2M-PVC ⚡ V3-WM-E2-YE2M-PVC ⚡ V3-WM-E0-YE5M-PVC ⚡ V3-WM-E2-YE5M-PVC ⚡

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

Subject to modifications without notice

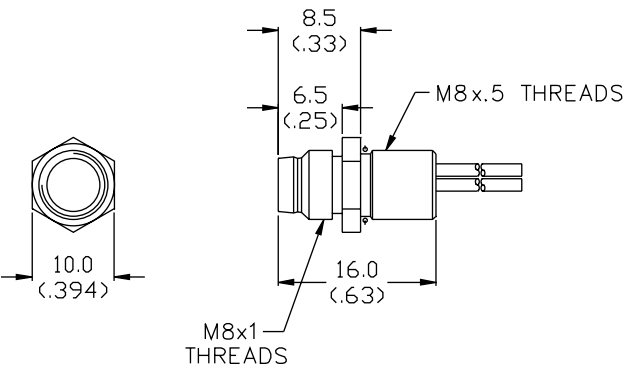
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Specifications	
MATERIAL DATA	
BODY	Machined brass with nickel plating
INSERT	Polyamide
CABLE TYPE	N/A
CONTACTS	Copper alloy (gold plated)
WIRE GAUGE	#24 AWG
COUPLING NUT	N/A
ELECTRICAL DATA	
CURRENT RATING	4 A
VOLTAGE RATING	60 V
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +194 °F (-25 °C to +90 °C)

Dimensions (mm)



Model Number Selection				
Face View (male)	Color Code	Current Rating	Length (m)	Straight
	1. Brown 2. Blue 3. Black	4A	.5	M8-V3-G-S-.5M ⚡

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

DC Micro Multi-Port Junction Blocks

Cable-type home run connection

- Four and eight ports available
- Female receptacles
- Top mounting
- LED indicators for power and status
- 5 or 10 meter cables available

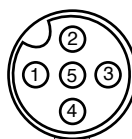


Specifications

Specifications	
MATERIAL DATA	
BODY	Green PVC
CONNECTION	Flexible cable
CABLE	
MATERIAL	Black PUR
OUTSIDE DIAMETER	4-port: 8.7 mm / 8-port 9.2 mm
CONDUCTORS	Signal wires: #22 AWG Power supply & ground 3 x #18 AWG
ELECTRICAL DATA	
VOLTAGE RATING	10-30 VDC
CURRENT CONSUMPTION	≤ 5 mA per channel (for LED)
CURRENT RATING	≤ 2 A per port
LED INDICATORS	
GREEN	Power
YELLOW	PNP I/O status
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +167 °F

Wiring Information

OUTPUT RECEPTACLE -
(FEMALE)



1. Power (+)
2. Not used
3. Power (-)
4. I/O (load)
5. Ground

Dimensions (mm)

See page 847



Model Number Selection

Ports	Color Code	Function	Length (m)	LED	Model Number
4	Brown Blue Green/Yellow White Green Yellow Grey	Power (+)	5 10	PNP PNP	V1-4A-E2-5M-PUR ⚡
		Power (-) Ground Port #1 I/O Port #2 I/O Port #3 I/O Port #4 I/O			V1-4A-E2-10M-PUR ⚡
8	Brown Blue Green/Yellow White Green Yellow Grey Pink Red Black Violet	Power (+)	5 10	PNP PNP	V1-8A-E2-5M-PUR ⚡
		Power (-) Ground Port #1 I/O Port #2 I/O Port #3 I/O Port #4 I/O Port #5 I/O Port #6 I/O Port #7 I/O Port #8 I/O			V1-8A-E2-10M-PUR ⚡

⚡ Stocked item

- Typical delivery 4 weeks or less
Consult factory for all other models

Subject to modifications without notice

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Specifications

MATERIAL DATA	
BODY	Green PVC
CONNECTION	12-pin M23 round connector
ELECTRICAL DATA	
VOLTAGE RATING	10-30 VDC
CURRENT CONSUMPTION	≤ 5 mA per channel (for LED)
CURRENT RATING	≤ 2 A per port
LED INDICATORS	
GREEN	Power
YELLOW	PNP I/O status
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +167 °F

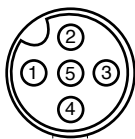
DC Micro Multi-Port Junction Blocks

Quick disconnect home run connection

- Quick disconnect style
- Four and eight ports available
- Female receptacles
- Top mounting
- LED indicators for power & status

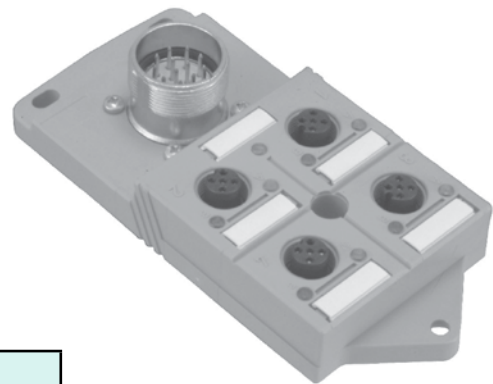
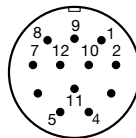
Wiring Information

OUTPUT RECEPTACLE -
(FEMALE)



1. Power (+)
2. Not used
3. Power (-)
4. I/O (load)
5. Ground

M23 Connector



Mating Cables

Image	Length (m)	Straight	Right Angle
	5 10	V23-G-5M-PUR ⚡ V23-G-10M-PUR •	V23-W-5M-PUR ⚡ V23-W-10M-PUR •

Dimensions (mm)

See page 847



Model Number Selection

Ports	M23 Connector	Color Code	Function	Length (m)	Model Number
4	11 9+10 12 1 2 3 4	Brown Blue Green/Yellow White Green Yellow Grey	Power (+) Power (-) Ground Port #1 I/O Port #2 I/O Port #3 I/O Port #4 I/O	5	V1-4A-E2-M23 ⚡
8	11 9+10 12 1 2 3 4 5 6 7 8	Brown Blue Green/Yellow White Green Yellow Grey Pink Red Black Violet	Power (+) Power (-) Ground Port #1 I/O Port #2 I/O Port #3 I/O Port #4 I/O Port #5 I/O Port #6 I/O Port #7 I/O Port #8 I/O	5	V1-8A-E2-M23 ⚡

- ⚡ Stocked item
- Typical delivery 4 weeks or less
- Consult factory for all other models

Subject to modifications without notice

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PEPPERL+FUCHS
SENSING YOUR NEEDS

DC Micro Multi-Port Junction Blocks

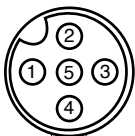
Terminal block home run connection

- Two signals per port
- Four and eight ports available
- Female receptacles
- Top mounting
- LED indicators for power & status



Wiring Information

OUTPUT RECEPTACLE -
(FEMALE)



1. Power (+)
2. I/O (signal B)
3. Power (-)
4. I/O (signal A)
5. Ground

Note: See page 871 for dual input T-splitter

Specifications

Specifications	
MATERIAL DATA	
BODY	Green PVC
CONNECTION	Spring-loaded terminals for 16 AWG to 25 AWG conductors
CABLE SHEATH DIAMETER	6.5 to 9.5 mm
ELECTRICAL DATA	
VOLTAGE RATING	10-30 VDC
CURRENT CONSUMPTION	≤ 5 mA per channel (for LED)
CURRENT RATING	≤ 2 A per port ≤ 4 A per plug-in station
LED INDICATORS	
GREEN	Power
YELLOW	PNP I/O status
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +167 °F

Dimensions (mm)

See page 847

Model Number Selection

Ports	Terminal	Socket/Pin (signal)	Model Number
4	1/4	1/4 (A)	V1-4/8A-E2 ⚡
	1/2	1/2 (B)	
	2/4	2/4 (A)	
	2/2	2/2 (B)	
	3/4	3/4 (A)	
	3/2	3/2 (B)	
	4/4	4/4 (A)	
	4/2	4/2 (B)	
	UN	1-4/1 (+24V)	
	PE	1-4/5 (ground)	
	0V	1-4/3 (0V)	
8	1/4	1/4 (A)	V1-8/16A-E2 ⚡
	1/2	1/2 (B)	
	2/4	2/4 (A)	
	2/2	2/2 (B)	
	3/4	3/4 (A)	
	3/2	3/2 (B)	
	4/4	4/4 (A)	
	4/2	4/2 (B)	
	5/4	5/4 (A)	
	5/2	5/2 (B)	
	6/4	6/4 (A)	
	6/2	6/2 (B)	
	7/4	7/4 (A)	
	7/2	7/2 (B)	
	8/4	8/4 (A)	
	8/2	8/2 (B)	
	UN	1-8/1 (+24V)	
	PE	1-8/5 (ground)	
	0V	1-8/3 (0V)	

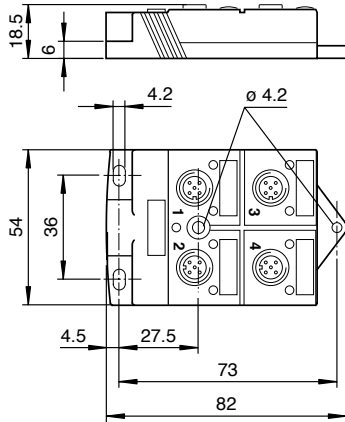
⚡ Stocked item

- Typical delivery 4 weeks or less

Consult factory for all other models

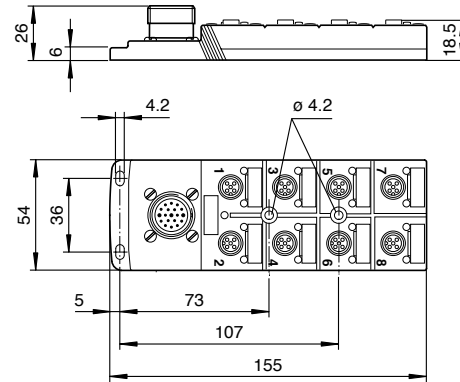
Model Numbers

V1-4A-E2-5M-PUR
V1-4A-E2-10M-PUR



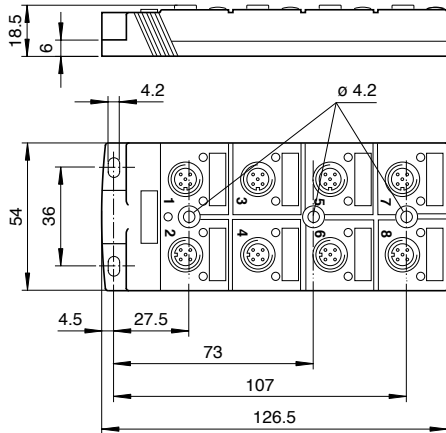
Model Number

V1-8A-E2-M23



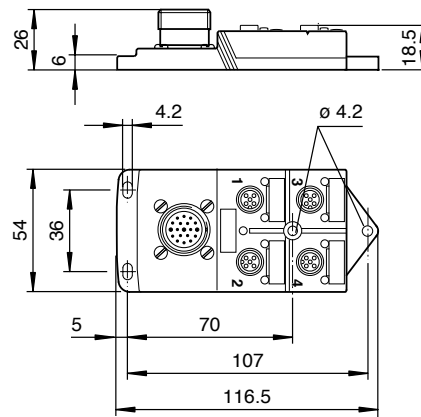
Model Numbers

V1-8A-E2-5M-PUR
V12-8A-E2-10M-PUR



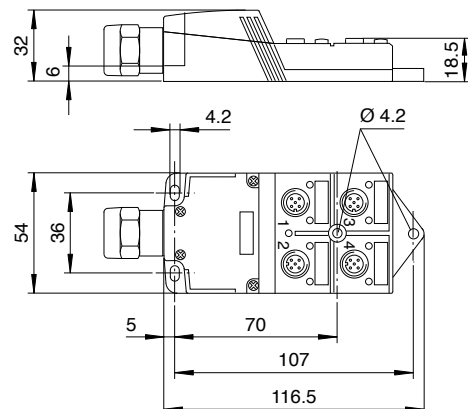
Model Number

V1-4A-E2-M23



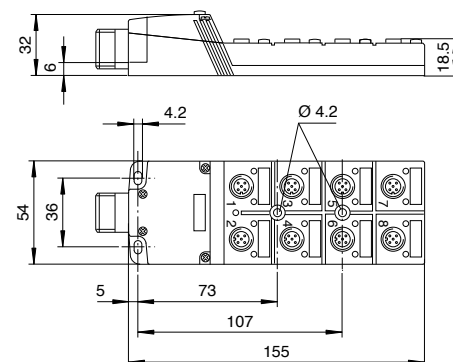
Model Number

V1-4/8A-E2



Model Number

V1-8/16A-E2



Subject to modifications without notice

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PEPPERL+FUCHS
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DC Micro Dual-Port Junction Blocks

12 mm receptacle

- Single key
- PVC cable jacket
- #18 AWG
- 4-pin



Specifications

MATERIAL DATA

MOLDED HEAD	Yellow TPU
CABLE OUTER JACKET	Irradiated PUR
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
WIRE GAUGE	22 AWG
CABLE OUTER DIAMETER	5.2 mm

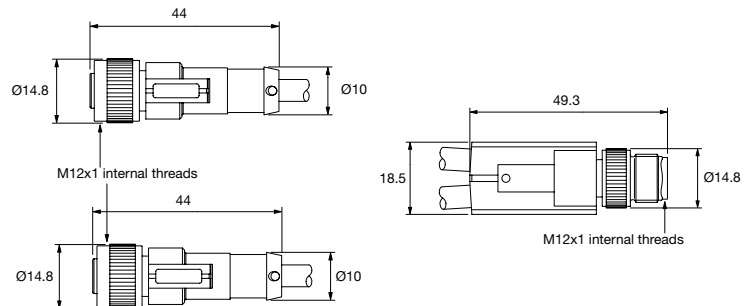
ELECTRICAL DATA

NOMINAL CURRENT	3 A
RATED VOLTAGE	300 V
CONTACT RESISTANCE	≤ 5 mΩ

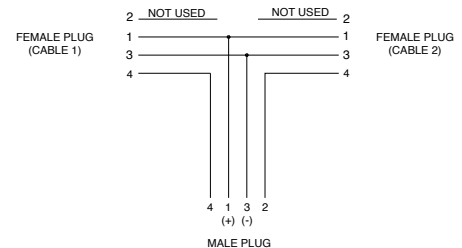
ENVIRONMENT DATA

PROTECTION CLASSES	IP68/IP69K
TEMPERATURE RANGE	-40 °F to +176 °F

Dimensions (mm)



Wiring Diagram



Model Number Selection

Face View (female)	Color Code	Length (m)	Model Number
	1. Brown 2. White 3. Blue 4. Black 5. Not Used	.3	V1-G-.3M-T-0M-V1-G ⚡

- ⚡ Stocked item
 - Typical delivery 4 weeks or less
- Consult factory for all other models

Subject to modifications without notice

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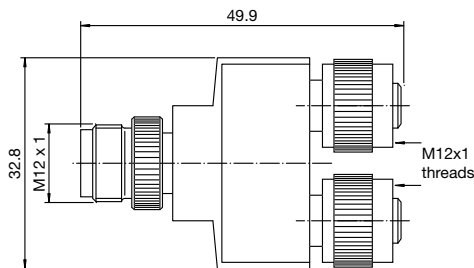
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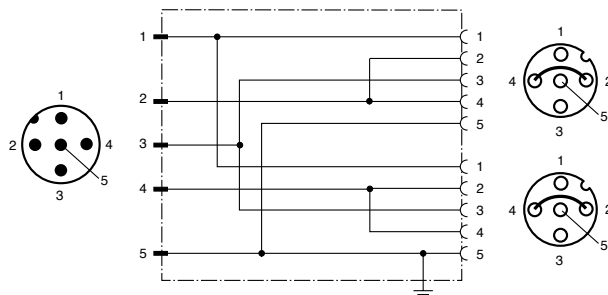
Specifications

MATERIAL DATA	
CONNECTOR	TPU
CONTACTS	Brass (nickel & gold plated)
CONTACT CARRIER	TPU with 20% glass fiber
COUPLING NUT	Nickel-plated diecast zinc
ELECTRICAL DATA	
NOMINAL CURRENT	3 A
RATED VOLTAGE	24 V
CONTACT RESISTANCE	≤ 5 mΩ
ENVIRONMENT DATA	
PROTECTION CLASSES	IP67
TEMPERATURE RANGE	-13 °F to +194 °F

Dimensions (mm)



Wiring Diagram



Model Number Selection

Face View (female)	Color Code	Model Number
	1. Brown 2. White 3. Blue 4. Black 5. Grey	V15S-T-V15 ⚡

- ⚡ Stocked item
 - Typical delivery 4 weeks or less
- Consult factory for all other models

DC Micro Dual-Port Junction Blocks

12 mm receptacle

- Single key
- For dual-input multiport junction blocks
- 5-pin