

CONNECTRONIX

Welcome to Becker Robotic, where innovation meets reliability!

With over 30 years of experience, headquartered in Germany and supported by a strong global presence, we provide advanced technology solutions for modern industrial applications. Our portfolio includes energy supply systems, robotic equipment, engineering services, motion and stationary cables, and high-quality industrial equipment.

Through our worldwide network, we deliver reliable, high-quality solutions to industrial customers across the globe. From product development and engineering design to manufacturing, project support, installation, and system optimization, we offer end-to-end services that enhance performance and maximize uptime in automated production environments.

Partner with us to drive innovation and shape the future of automation.

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Becker Part No.: 4.BMCA.C5.0001 | M12-4P-D (M-F-90)

Weight: 243.9g

Country of Origin: China

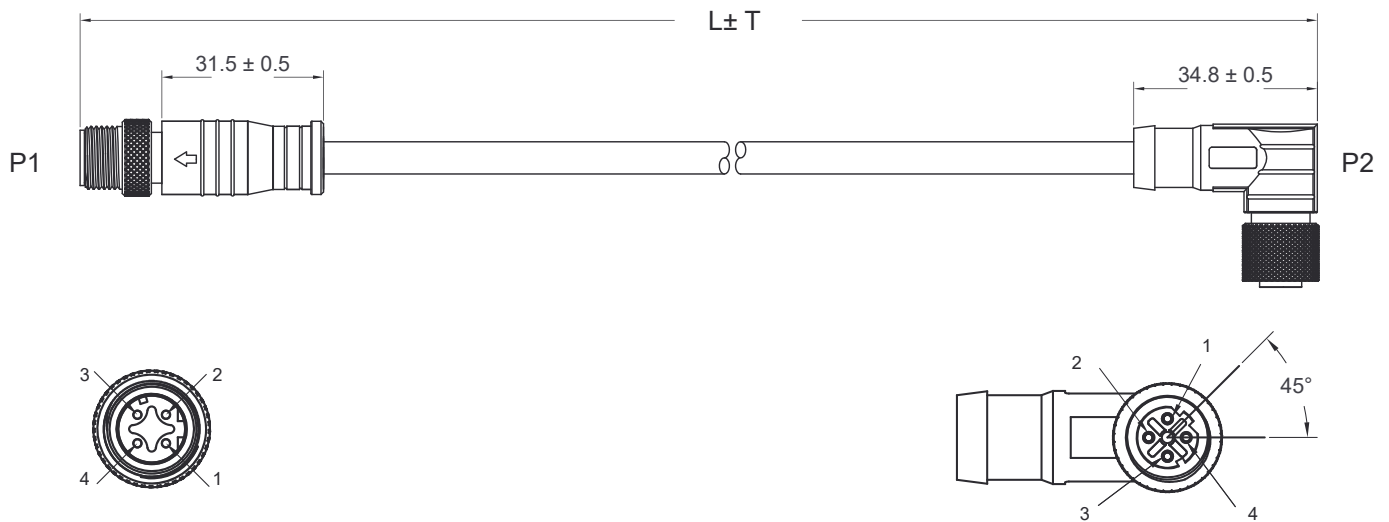
Cable Assembly Type: M12 male 0° / M12 female 90° D-code Shielded

Description

- Ethernet CAT5
- Male straight – Female angled
- M12 – M12, 4-pole
- D-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

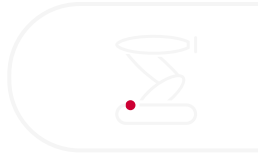


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
3		3	ORANGE
2	—	2	BLUE/WHT
4		4	BLUE
SHIELD		SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Angled
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate max.:
100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 mm
Conductor crossection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0002 | M12-4P-D (M-F Z)

Weight: 248.4g

Country of Origin: China

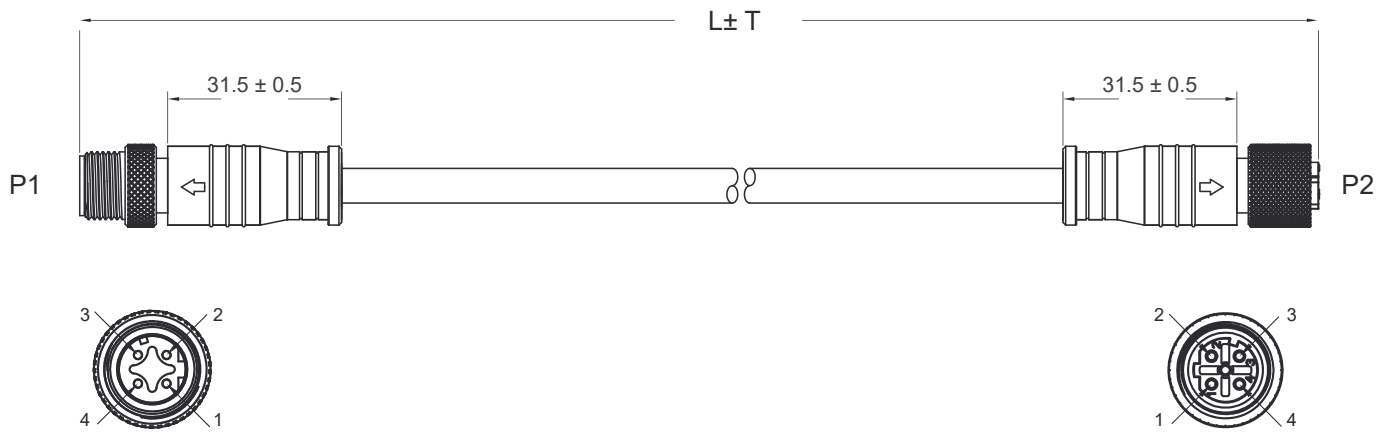
Cable Assembly Type: M12 male 0° / M12 female 0° D-code Shielded

Description

- Ethernet CAT5
- Male straight – Female straight
- M12 – M12, 4-pole
- D-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

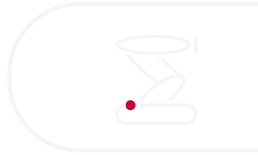


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
3	—	3	ORANGE
2	—	2	BLUE/WHT
4	—	4	BLUE
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate max.:
100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0003 | M12-4P-D (M-M-90)

Weight: 246.1g

Country of Origin: China

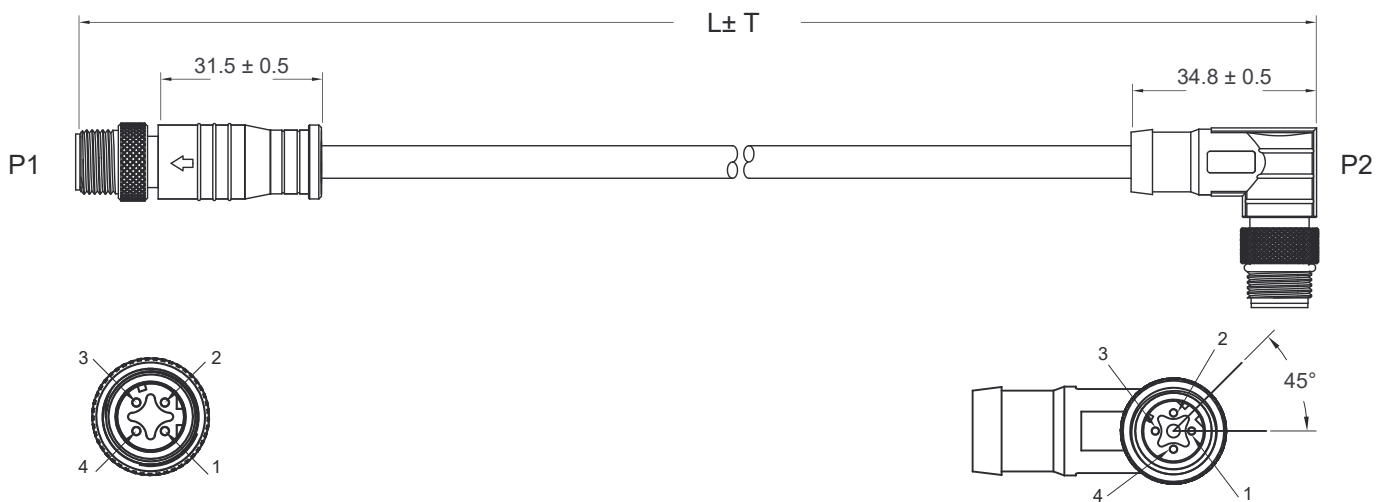
Cable Assembly Type: M12 male 0° / M12 Male 90° D-code Shielded

Description

- Ethernet CAT5
- Male straight – Male angled
- M12 – M12, 4-pole
- D-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

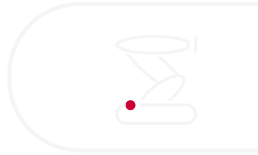


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
3		3	ORANGE
2	—	2	BLUE/WHT
4		4	BLUE
SHIELD		SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Angled
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate
max.: 100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0004 | M12-4P-D (M-M Z)

Weight: 246.5g

Country of Origin: China

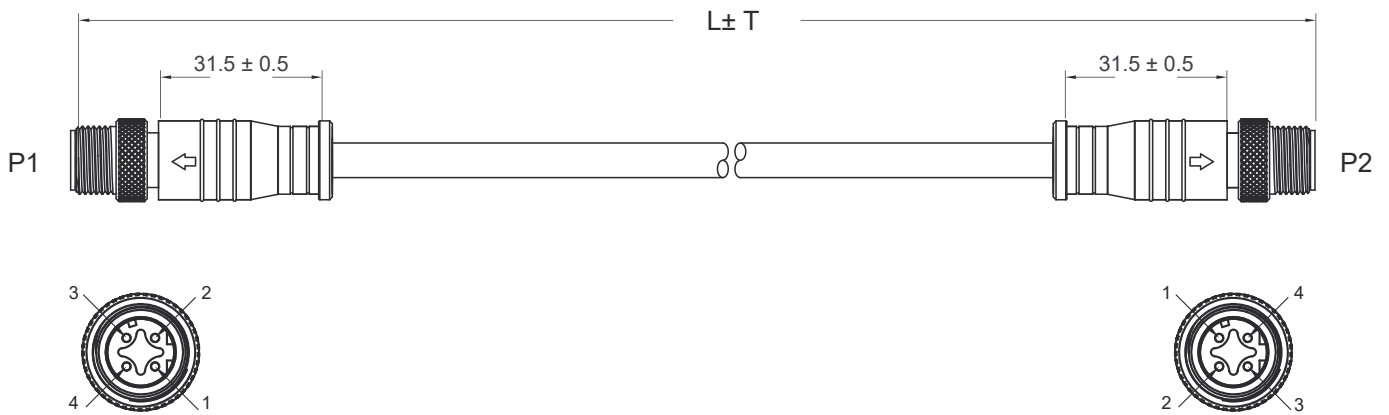
Cable Assembly Type: M12 male 0° / M12 male 0° D-code Shielded

Description

- Ethernet CAT5
- Male straight – Male straight
- M12 – M12, 4-pole
- D-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

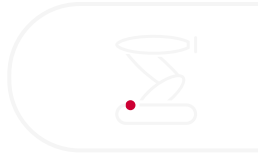


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
3	—	3	ORANGE
2	—	2	BLUE/WHT
4	—	4	BLUE
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate
max.: 100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0005 | M12-4P-D (F-F Z)

Weight: 248.1g

Country of Origin: China

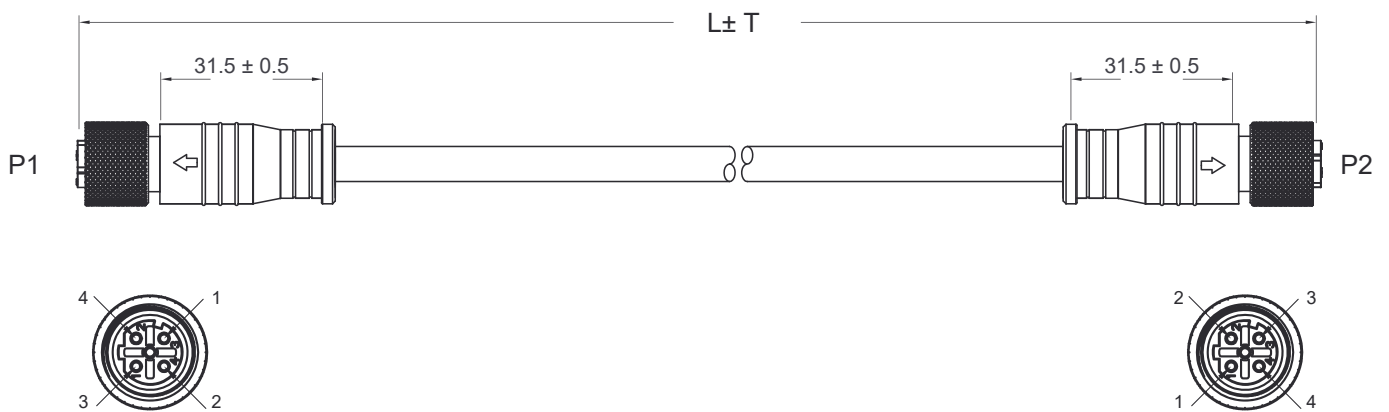
Cable Assembly Type: M12 Female 0° / M12 Female 0° D-code Shielded

Description

- Ethernet CAT5
- Female straight – Female straight
- M12 – M12, 4-pole
- D-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

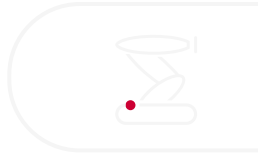


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	ORN/WHT
3	_____	3	ORANGE
2	_____	2	BLUE/WHT
4	_____	4	BLUE
SHIELD	_____	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate max.: 100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0006 | M12-4P-D (F-F)

Weight: 255.8g

Country of Origin: China

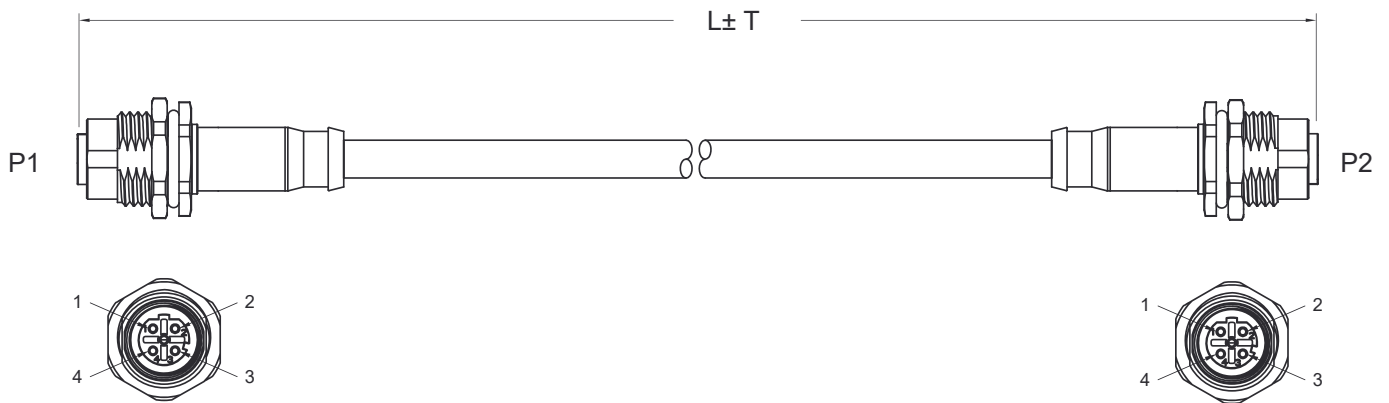
Cable Assembly Type: M12 Female (flange coupling) 0° / M12 Female (flange coupling) 0° D-code Shielded

Description

- Ethernet CAT5
- Female straight (flange coupling)– Female straight (flange coupling)
- M12 – M12, 4-pole
- D-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

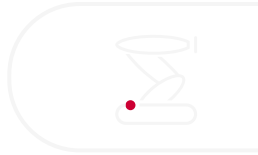


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	ORN/WHT
3	_____	3	ORANGE
2	_____	2	BLUE/WHT
4	_____	4	BLUE
SHIELD	_____	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed (flange coupling)
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed (flange coupling)
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: D
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate
max.: 100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0007 | RJ45-8P (F-F)

Weight: 263.4g

Country of Origin: China

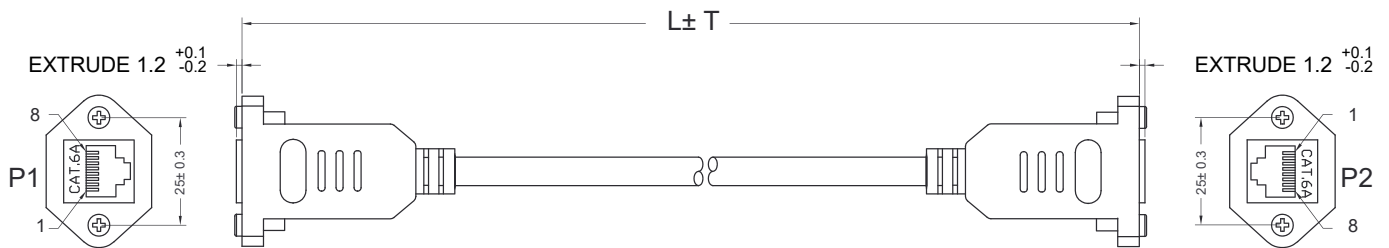
Cable Assembly Type: RJ45 female 0° / RJ45 female 0° Shielded



Description

- Ethernet CAT5
- Female straight – Female straight
- RJ45 – RJ45, 8-pole
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

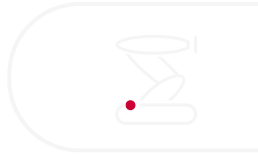


Illustration



P1	PIN ASSIGNMENT	P2	
1		1	ORN/WHT
3		3	ORANGE
2		2	BLUE/WHT
6		6	BLUE
SHIELD		SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Female
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Female
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate
max.: 100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C5.0008 | RJ45-8P (M-M)

Weight: 254.9g

Country of Origin: China

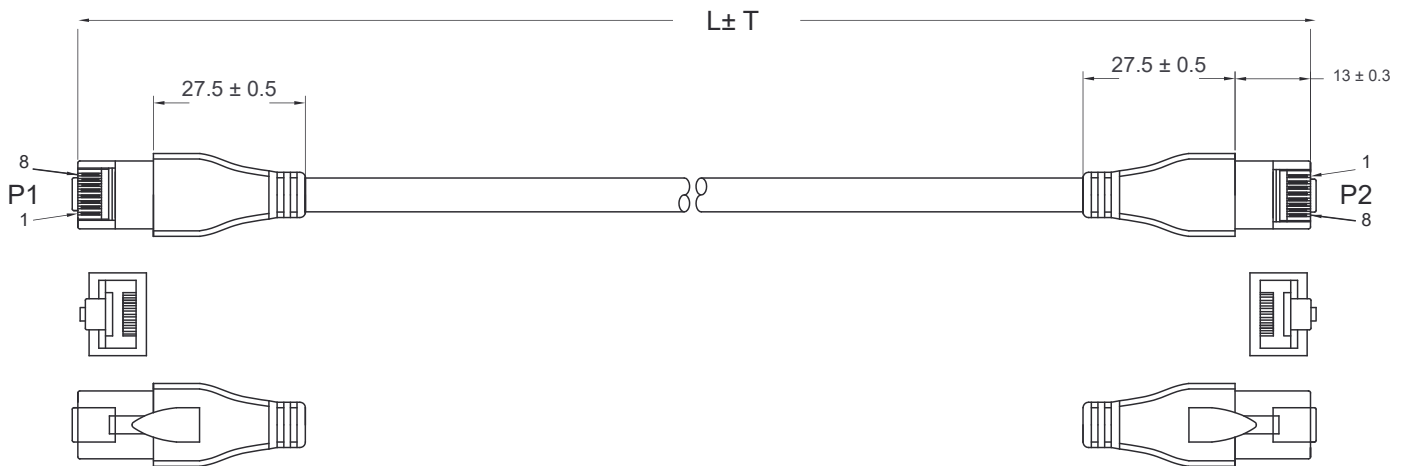
Cable Assembly Type: RJ45 male 0° / RJ45 male 0° Shielded

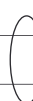

Description

- Ethernet CAT5
- Male straight – Male straight
- RJ45 – RJ45, 8-pole
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

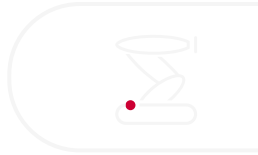


Illustration



P1	PIN ASSIGNMENT	P2	
1		1	ORN/WHT
3		3	ORANGE
2		2	BLUE/WHT
6		6	BLUE
SHIELD		SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT5
- Data Transmission Rate
max.: 100 Mbps at 100 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/blue, blue
Cable identification	CAT5 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	2
Stranding	2 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned (144/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.0 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0001 | RJ45-8P (M-F Z)

Weight: 332.6g

Country of Origin: China

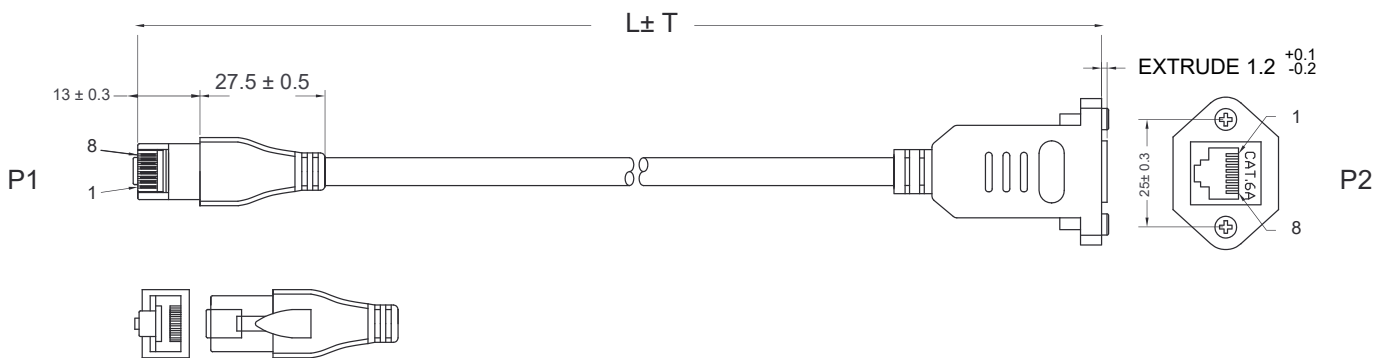
Cable Assembly Type: RJ45 male 0° / RJ45 Female 0° Shielded

Description

- Ethernet CAT6A
- Male straight – Female straight
- RJ45 – RJ45, 8-pole
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

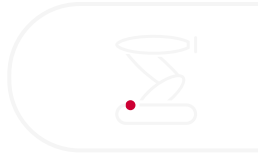


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
4	—	4	BLUE
5	—	5	BLUE/WHT
3	—	3	GREEN /WHT
6	—	6	GREEN
7	—	7	BROWN/WHT
8	—	8	BROWN
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Female
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444210
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 150V
- Current Operating per Contact max.: 1.5A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6A
- Data Transmission Rate
max.: 10 Gbps at 500 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	UL20554
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires with non-woven fabric, add cotton thread
Cable shielding (type)	Aluminum Foil, + Braid (176/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 mm
Conductor crossection (wire)	26 AWG
Nominal voltage AC max.	30V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0002 | RJ45-8P (M-M Z)

Weight: 301.2g

Country of Origin: China

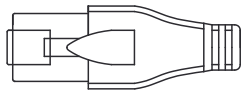
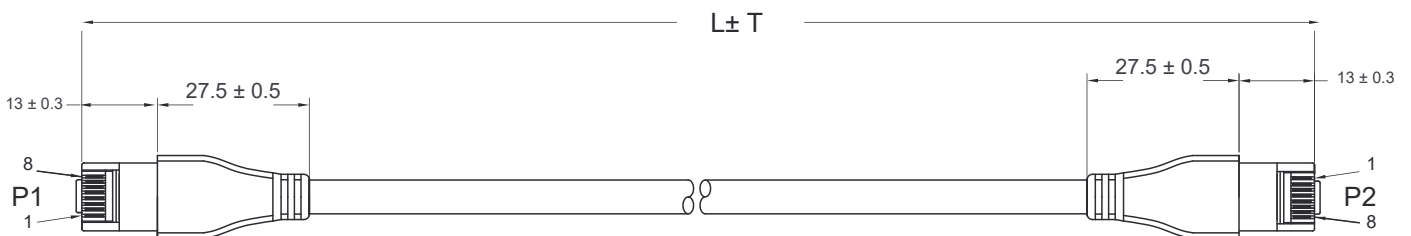
Cable Assembly Type: RJ45 male 0° / RJ45 male 0° Shielded

Description

- Ethernet CAT6A
- Male straight – Male straight
- RJ45 – RJ45, 8-pole
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

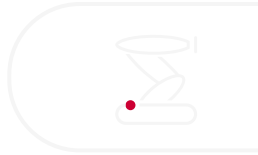


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
4	—	4	BLUE
5	—	5	BLUE/WHT
3	—	3	GREEN/WHT
6	—	6	GREEN
7	—	7	BROWN/WHT
8	—	8	BROWN
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black PVC
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444210
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 150V
- Current Operating per Contact max.: 1.5A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6A
- Data Transmission Rate
max.: 10 Gbps at 500 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection
degree: Inserted
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	UL20554
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires with non-woven fabric, add cotton thread
Cable shielding (type)	Aluminum Foil, + Braid (176/0.08TC)
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0003 | M12-8X (M-M-90)

Weight: 321.2g

Country of Origin: China

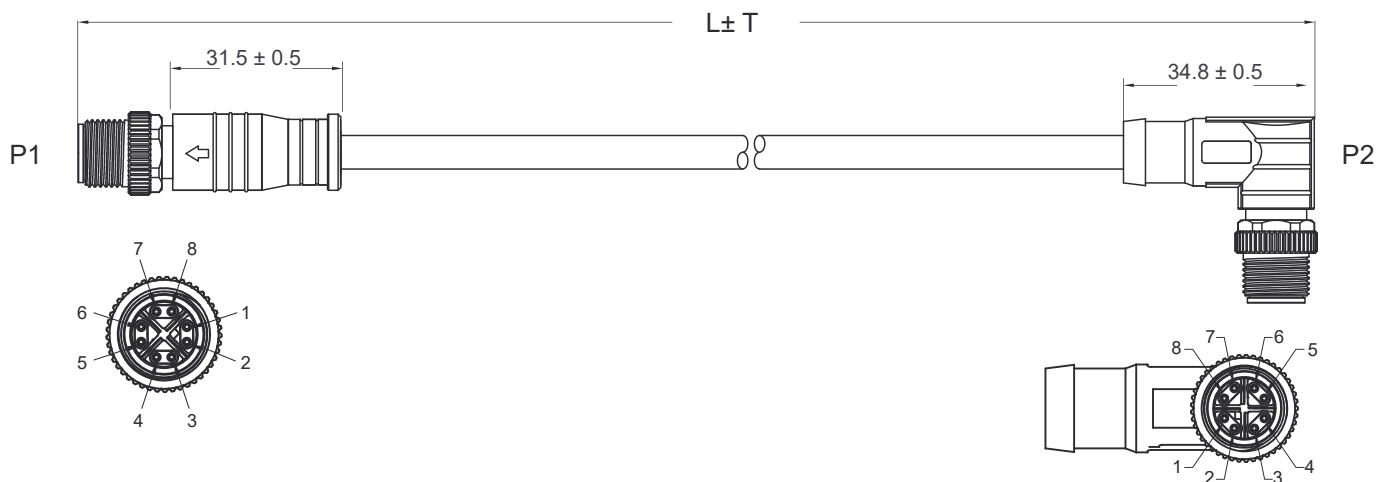
Cable Assembly Type: M12 male 0° / M12 male 90° X-code Shielded

Description

- Ethernet CAT6
- Male straight – Male angled
- M12 – M12, 8-pole
- X-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

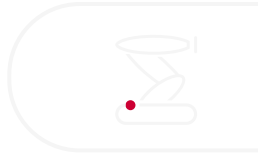


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
3	—	3	GREEN/WHT
4	—	4	GREEN
5	—	5	BROWN/WHT
6	—	6	BROWN
7	—	7	BLUE/WHT
8	—	8	BLUE
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



EtherNet/IP



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Angled
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6
- Data Transmission Rate
max.: 10 Gbps at 250 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	CAT.6 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned
Cable shielding (coverage)	85%
Banding	Fleece, Foil
Filler	Yes
Material jacket	TOU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0004 | M12-8X (M-M Z)

Weight: 326.2g

Country of Origin: China

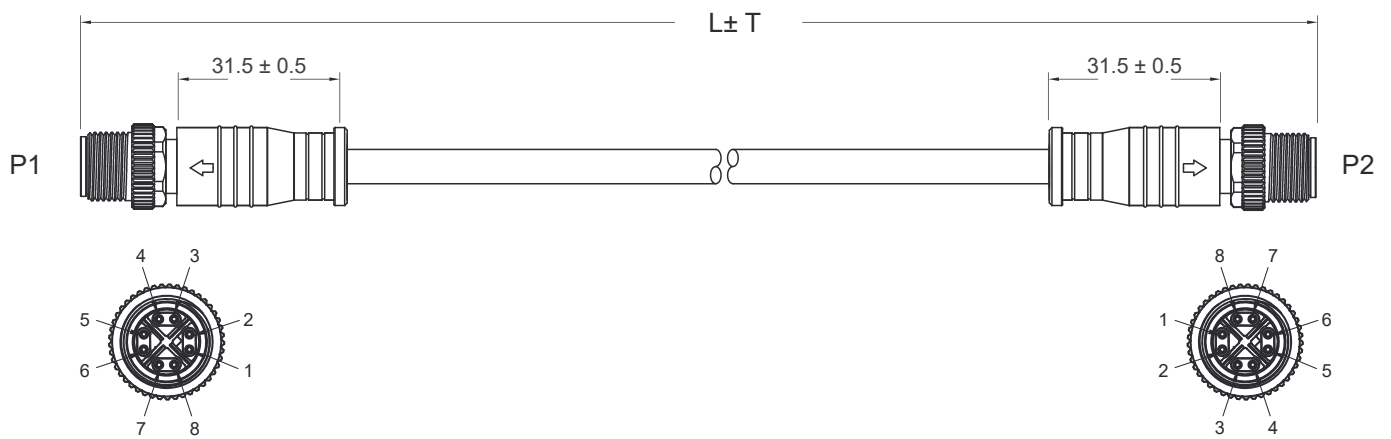
Cable Assembly Type: M12 male 0° / M12 male 0° X-code Shielded

Description

- Ethernet CAT6
- Male straight – Male straight
- M12 – M12, 8-pole
- X-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

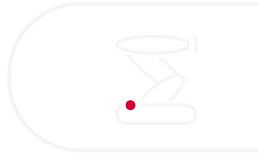


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
3	—	3	GREEN/WHT
4	—	4	GREEN
5	—	5	BROWN/WHT
6	—	6	BROWN
7	—	7	BLUE/WHT
8	—	8	BLUE
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6
- Data Transmission Rate
max.: 10 Gbps at 250 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	CAT.6 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned
Cable shielding (coverage)	85%
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0005 | M12-8X (F-F)

Weight: 320.8g

Country of Origin: China

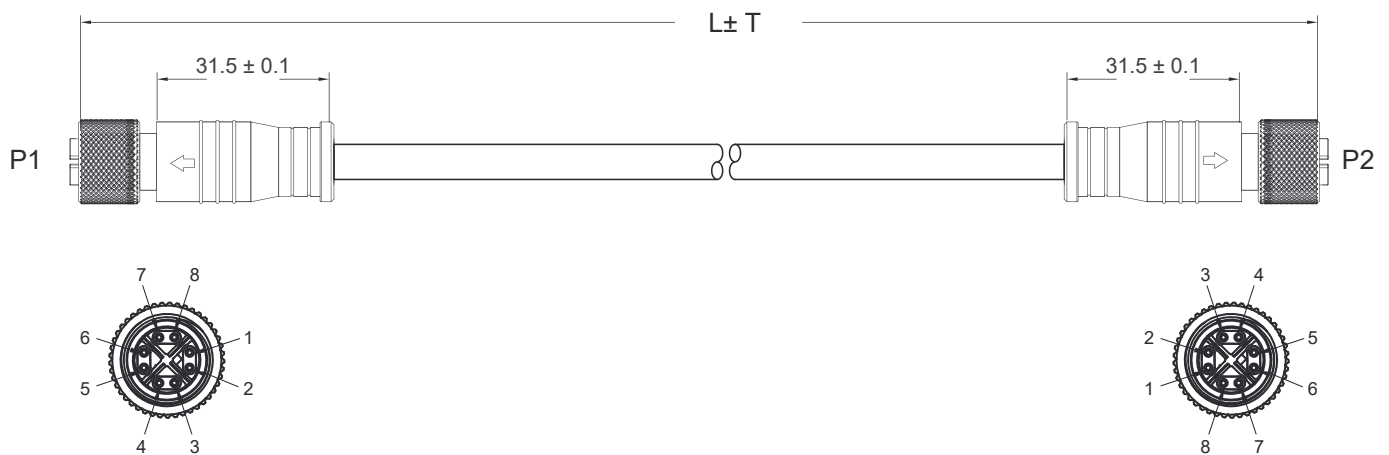
Cable Assembly Type: M12 female 0° / M12 female 0° X-code Shielded

Description

- Ethernet CAT6
- Female straight – Female straight
- M12 – M12, 8-pole
- X-coded
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
3	—	3	GREEN /WHT
4	—	4	GREEN
5	—	5	BROWN/WHT
6	—	6	BROWN
7	—	7	BLUE/WHT
8	—	8	BLUE
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6
- Data Transmission Rate
max.: 10 Gbps at 250 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	CAT.6 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned
Cable shielding (coverage)	85%
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0006 | RJ45-(M)-12-8X(M)

Weight: 320.9g

Country of Origin: China

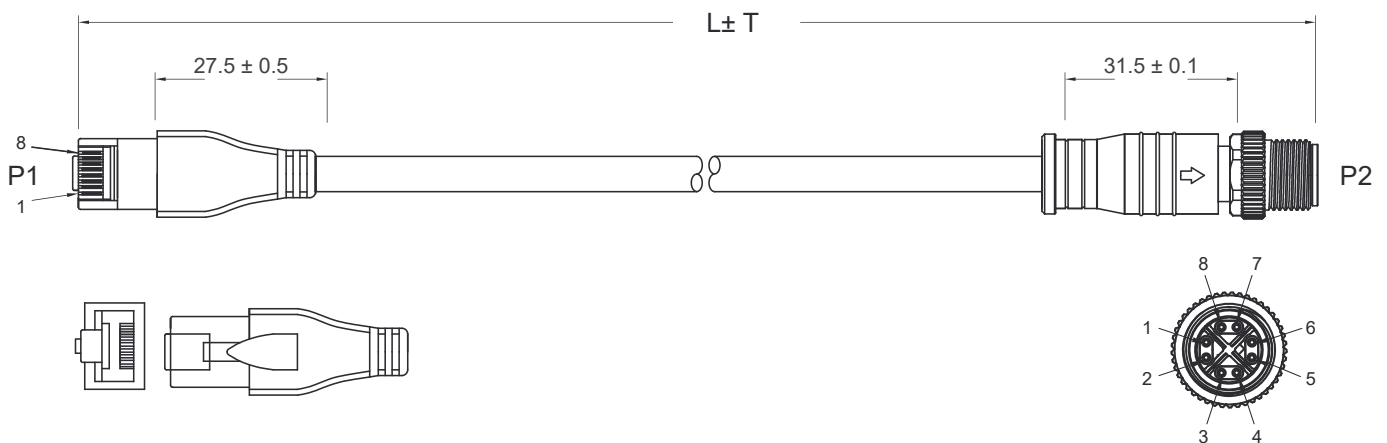
Cable Assembly Type: RJ45 male 0° / M12 male 0° X-code Shielded

Description

- Ethernet CAT6
- Male straight – Male straight
- RJ45 – M12, 8-pole
- X-coded (M12)
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

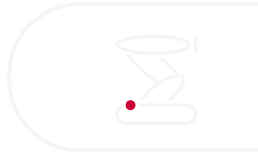


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
4	—	8	BLUE
5	—	7	BLUE/WHT
3	—	3	GREEN/WHT
6	—	4	GREEN
7	—	5	BROWN/WHT
8	—	6	BROWN
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6
- Data Transmission Rate
max.: 10 Gbps at 250 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	CAT.6 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned
Cable shielding (coverage)	85%
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0007 | RJ45-(M)-M12-8X(F)

Weight: 322.1g

Country of Origin: China

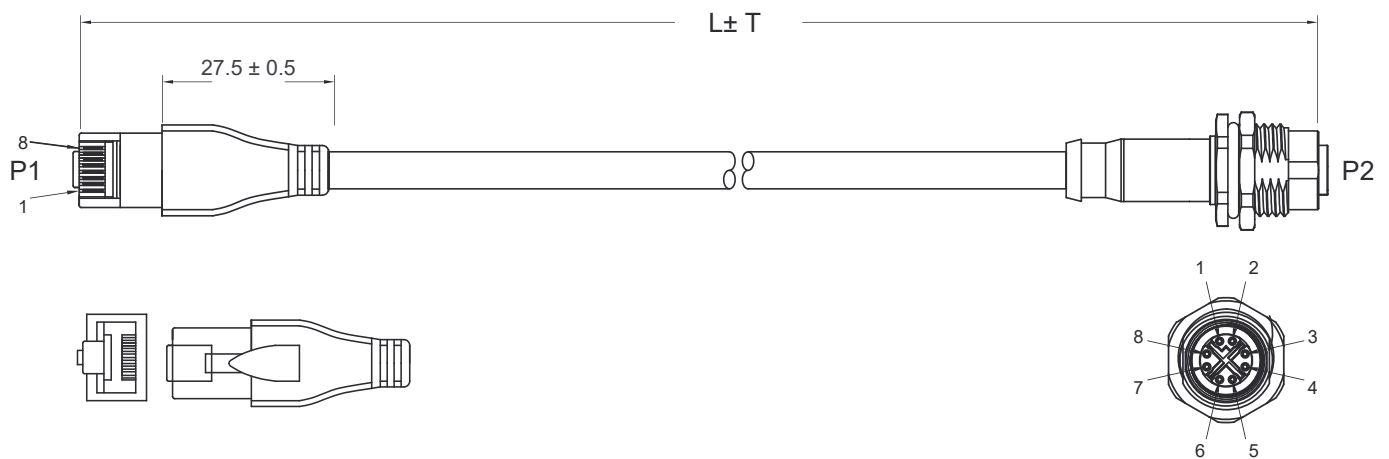
Cable Assembly Type: RJ45 male 0° / M12 female (flange coupling) 0° X-code Shielded

Description

- Ethernet CAT6
- Male straight – Female straight (flange coupling)
- RJ45 – M12, 8-pole
- X-coded (M12)
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

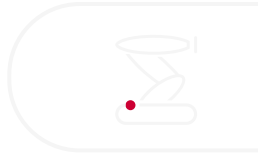


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
3	—	3	GREEN /WHT
4	—	4	GREEN
5	—	5	BROWN/WHT
6	—	6	BROWN
7	—	7	BLUE/WHT
8	—	8	BLUE
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed (flange coupling)
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6
- Data Transmission Rate
max.: 10 Gbps at 250 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	CAT.6 SFTP
Jacket Color	Green
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned
Cable shielding (coverage)	85%
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.C6.0008 | RJ45-(M)-12-8X(M-90)

Weight: 331.7g

Country of Origin: China

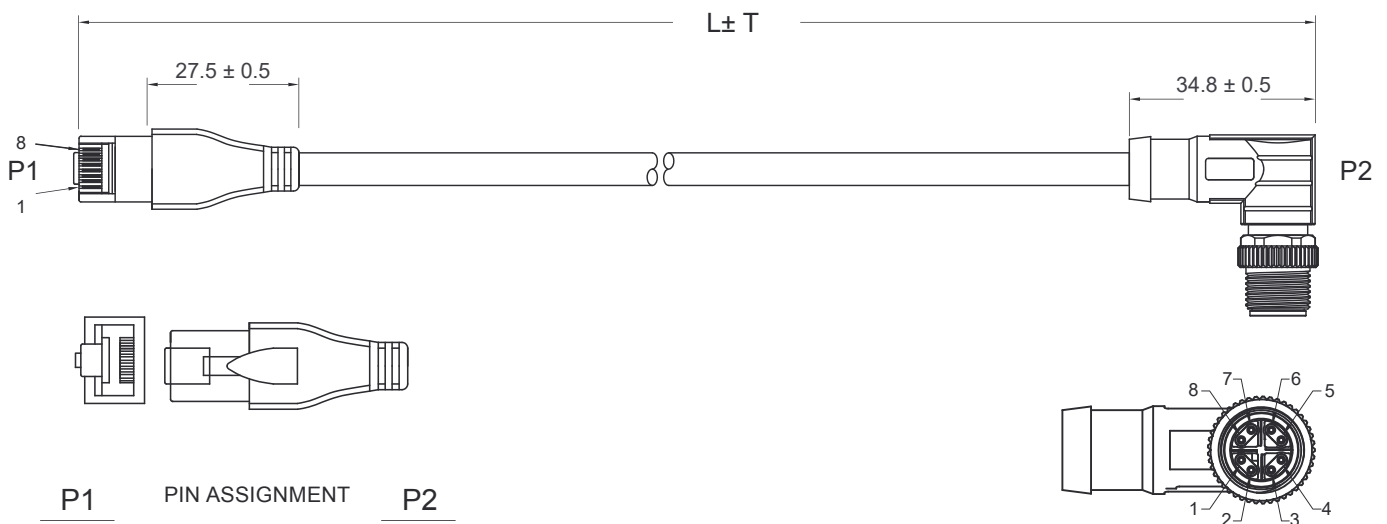
Cable Assembly Type: RJ45 male 0° / M12 male 90° X-code Shielded

Description

- Ethernet CAT6
- Male straight – Male angled
- RJ45 – M12, 8-pole
- X-coded (M12)
- Shielded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

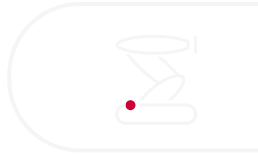


Illustration



P1	PIN ASSIGNMENT	P2	
1	—	1	ORN/WHT
2	—	2	ORANGE
4	—	8	BLUE
5	—	7	BLUE/WHT
3	—	3	GREEN/WHT
6	—	4	GREEN
7	—	5	BROWN/WHT
8	—	6	BROWN
SHIELD	—	SHIELD	(BRAID)

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted
- Coating Contact: Gold Plated FU
- Size: RJ45
- Gender: Male
- Cable Outlet: Straight
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.4Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Angled
- Coding: X
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 8
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 60V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Industrial Communication

- Transfer Parameters: CAT6
- Data Transmission Rate
max.: 10 Gbps at 250 MHz

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	white/orange, orange, white/green, green, white/blue, blue, white/brown, brown
Cable identification	CAT.6 SFTP
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Amount stranding	4
Stranding	4 pair wires around Core filler twisted
Cable shielding (type)	Copper braid, tinned
Cable shielding (coverage)	85%
Banding	Fleece, Foil
Filler	Yes
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	6.8 ±0.2mm
Conductor crosssection (wire)	26 AWG
Nominal voltage AC max.	30 V

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S4.0001 | M12-4P-A (M-F)

Weight: 183.9g

Country of Origin: China

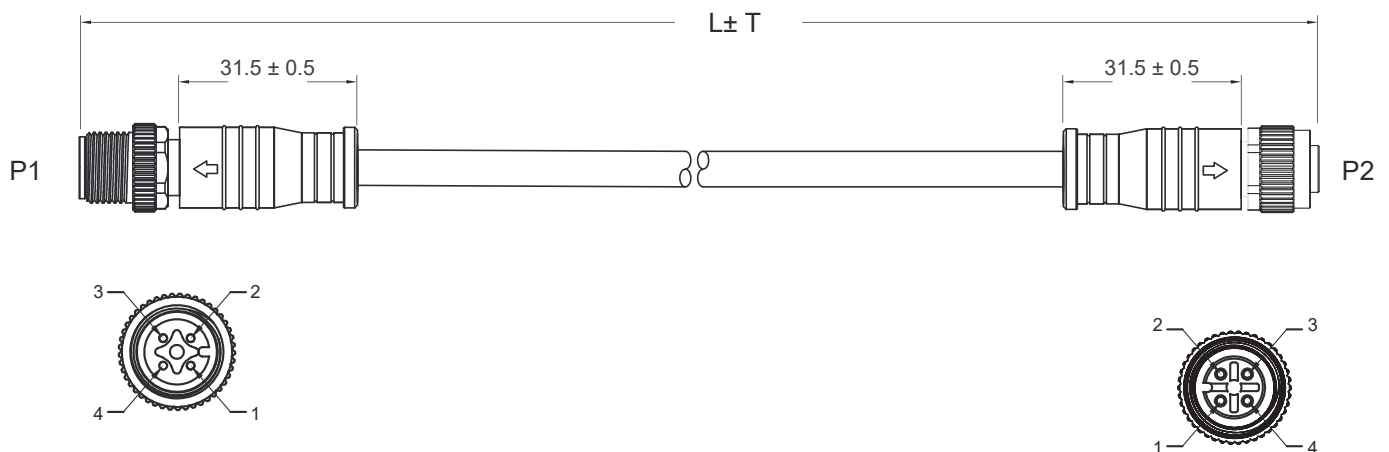
Cable Assembly Type: M12, 4 pole, A-Code, Male (Ext.) 0°/Female 0°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Male straight – Female straight
- M12, 4 pole, Male (Ext.) 0° / Female 0°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE
5	_____	5	DRAIN

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S4.0002 | M12-4P-A (M-F-90)

Weight: 180.3g

Country of Origin: China

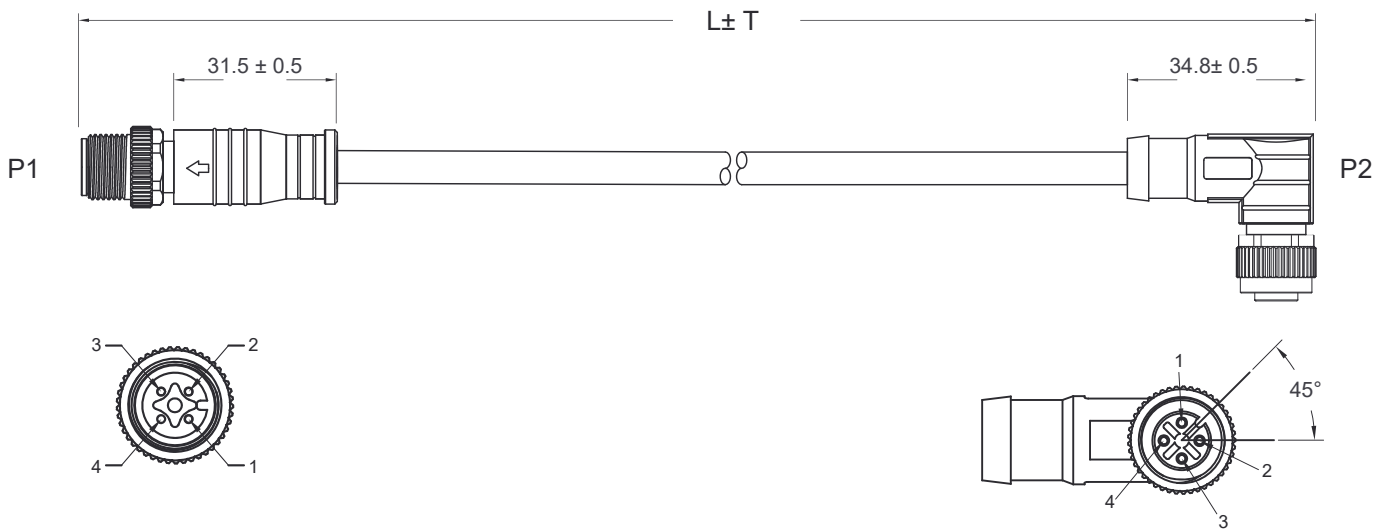
Cable Assembly Type: M12, 4 pole, A-Code, Male (Ext.) 0°/Female 90°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Male straight – Female angled
- M12, 4 pole, Male (Ext.) 0° / Female 90°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

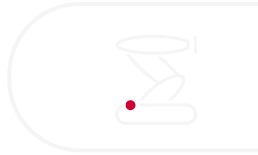


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Angled
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S4.0003 | M12-4P-A (M-F)

Weight: 194.7g

Country of Origin: China

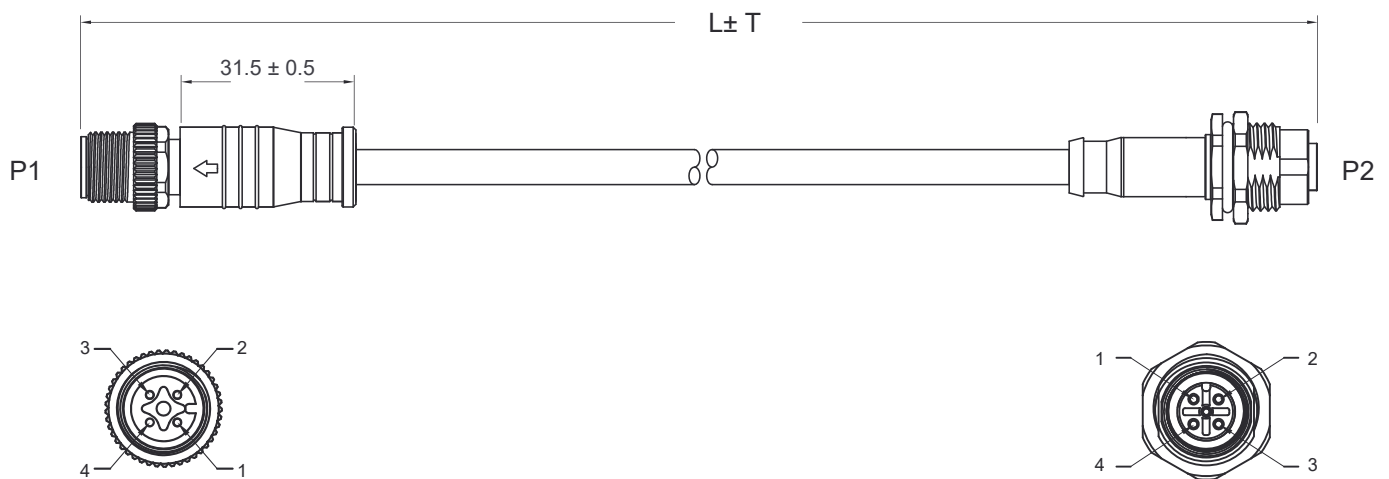
Cable Assembly Type: M12, 4 pole, A-Code, Male (Ext.) 0°/Female (flange coupling) 0°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Male straight – Female angled (flange coupling)
- M12, 4 pole, Male (Ext.) 0° / Female 0°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

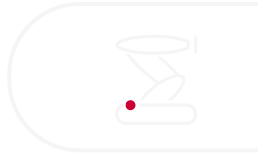


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Angled
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S4.0004 | M12-4P-A (F-OPEN)

Weight: 156.2g

Country of Origin: China

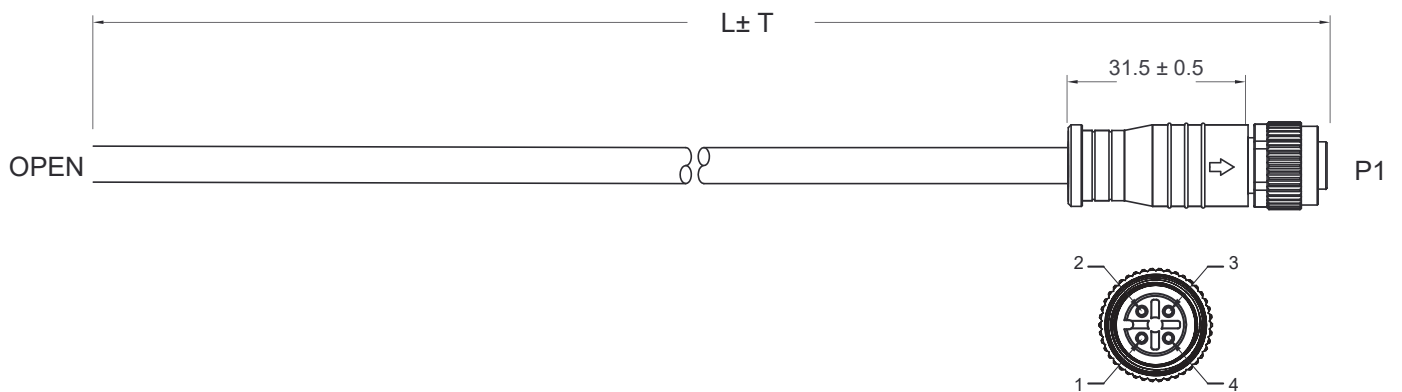
Cable Assembly Type: M12, 4 pole, A-Code, Open end /Female 0°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Open end – Female straight
- M12, 4 pole, Open end / Female 0°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

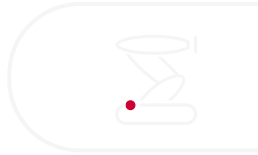


Illustration



P1	PIN ASSIGNMENT	
1	1	RED
2	2	BLACK
3	3	WHITE
4	4	BLUE

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S4.0005 | M12-4P-A (F-90-OPEN)

Weight: 154.6g

Country of Origin: China

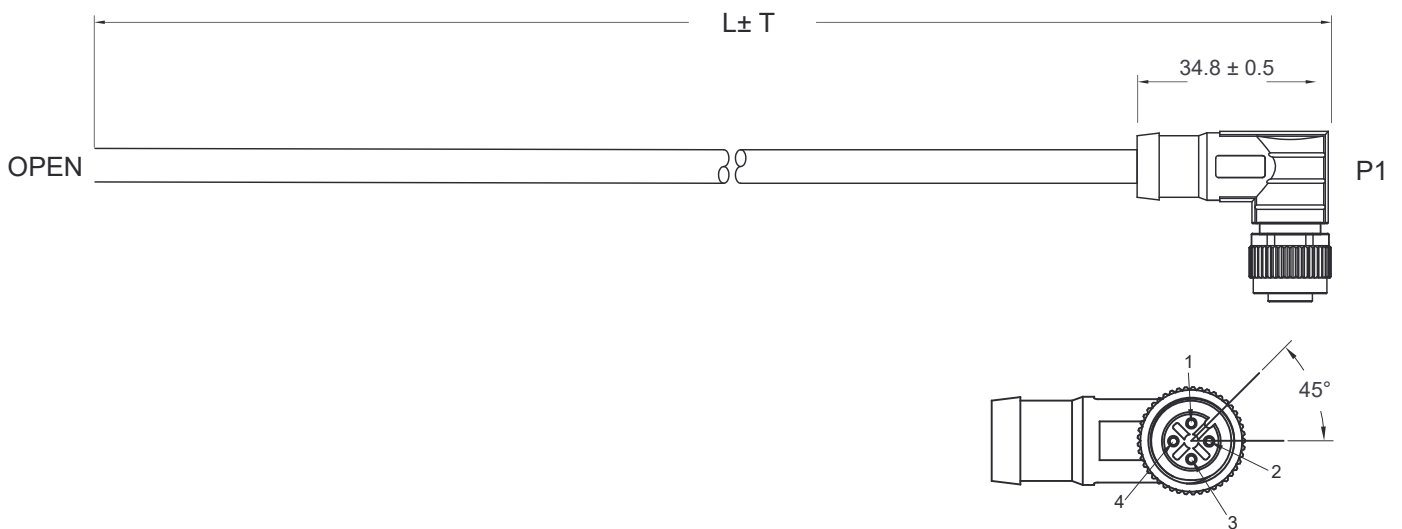
Cable Assembly Type: M12, 4 pole, A-Code, Open end / Female 90°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Open end – Female angled
- M12, 4 pole, Open end / Female 90°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S5.0001 | M12-5P-A (M-F Z)

Weight: 216.8g

Country of Origin: China

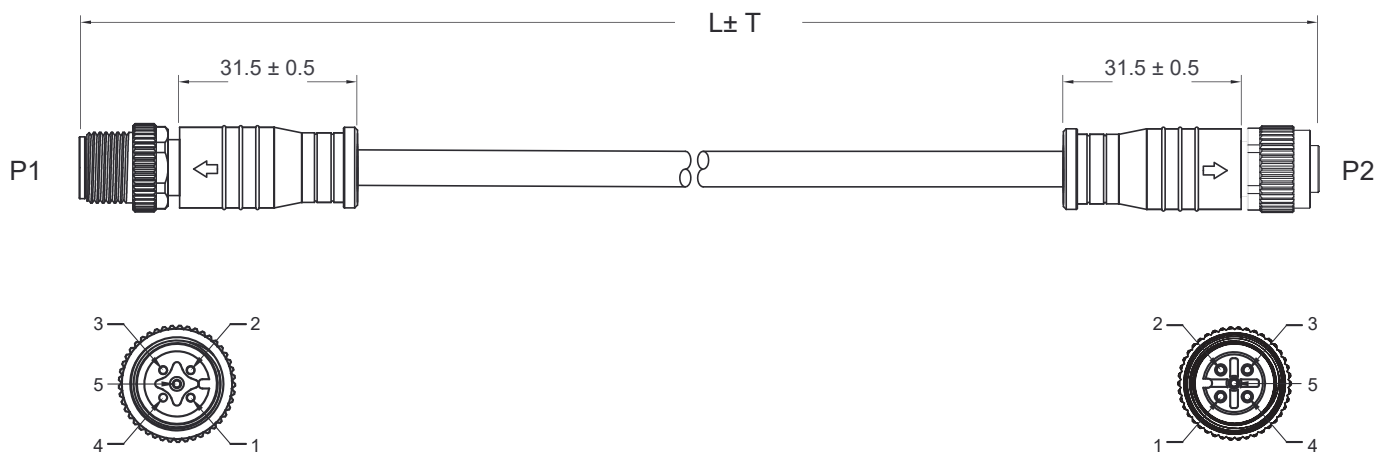
Cable Assembly Type: M12, 5 pole, A-Code, Male (Ext.) 0°/Female 0°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Male straight – Female straight
- M12, 5 pole, Male (Ext.) 0° / Female 0°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

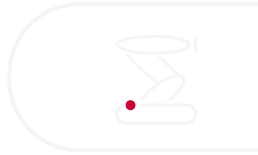


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE
5	_____	5	DRAIN

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S5.0002 | M12-5P-A (M-F-90)

Weight: 211.6g

Country of Origin: China

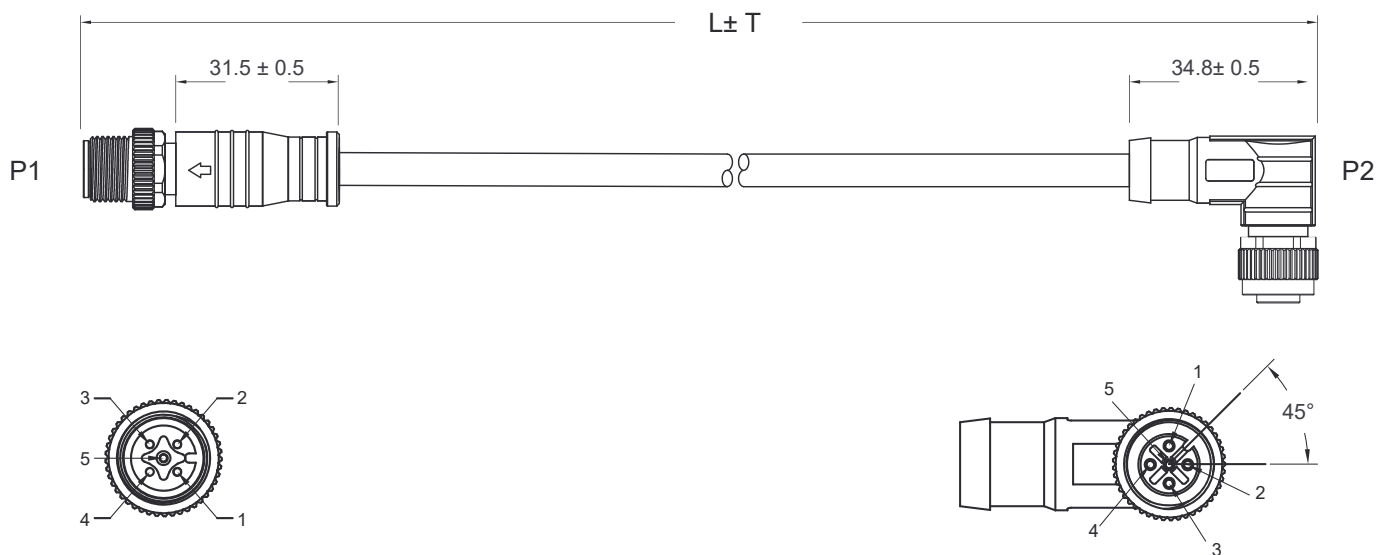
Cable Assembly Type: M12, 5 pole, A-Code, Male (Ext.) 0°/Female 90°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Male straight – Female angled
- M12, 5 pole, Male (Ext.) 0° / Female 90°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE
5	_____	5	DRAIN

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Angled
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S5.0003 | M12-5P-A (M-F)

Weight: 243.5g

Country of Origin: China

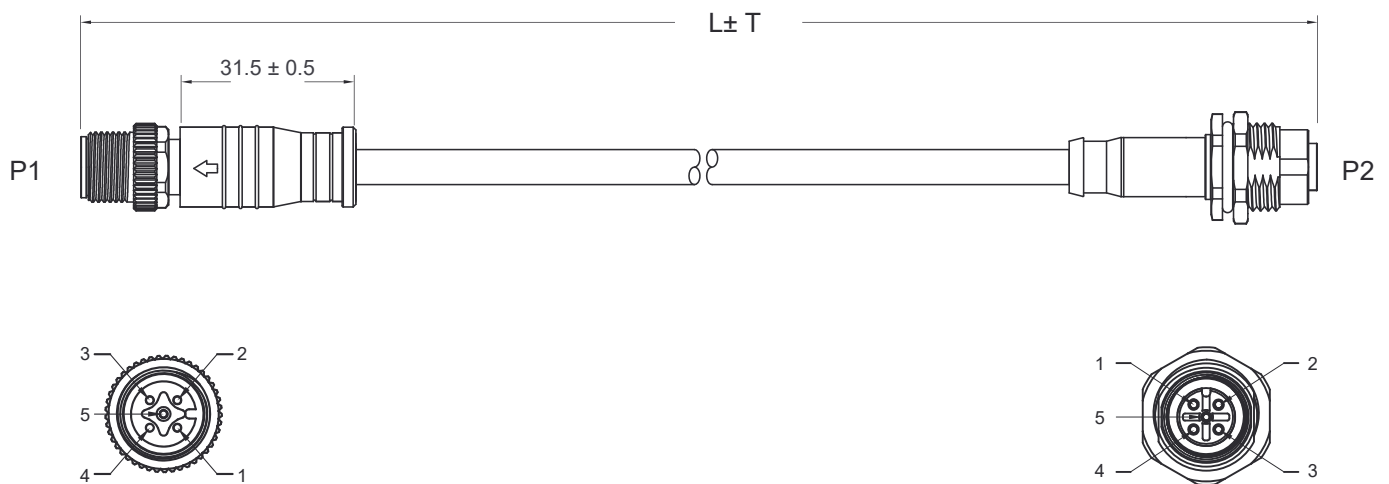
Cable Assembly Type: M12, 5 pole, A-Code, Male (Ext.) 0°/Female (flange coupling) 0°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Male straight – Female straight (flange coupling)
- M12, 5 pole, Male (Ext.) 0° / Female 0°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

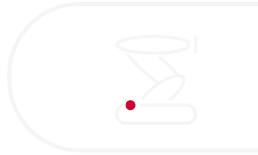


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE
5	_____	5	DRAIN

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed (flange coupling)
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nicked
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S5.0004 | M12-5P-A (F-OPEN)

Weight: 171.4g

Country of Origin: China

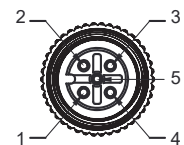
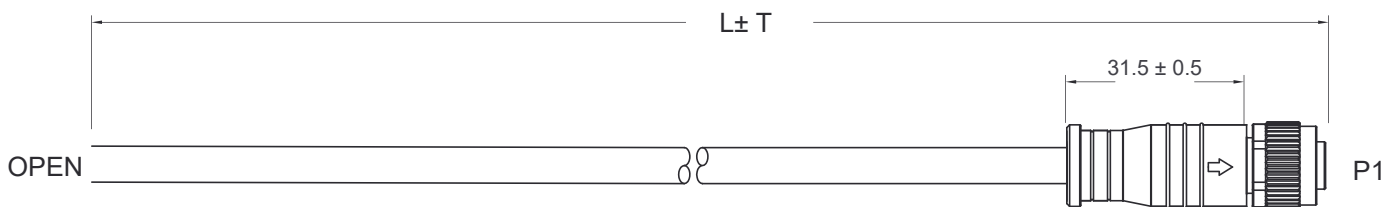
Cable Assembly Type: M12, 5 pole, A-Code, Open end /Female 0°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Open end – Female straight
- M12, 5 pole, Open end / Female 0°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

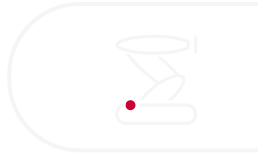


Illustration



P1	PIN ASSIGNMENT
1	RED
2	BLACK
3	WHITE
4	BLUE
5	DRAIN

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.S5.0005 | M12-5P-A (F-90-OPEN)

Weight: 187.6g

Country of Origin: China

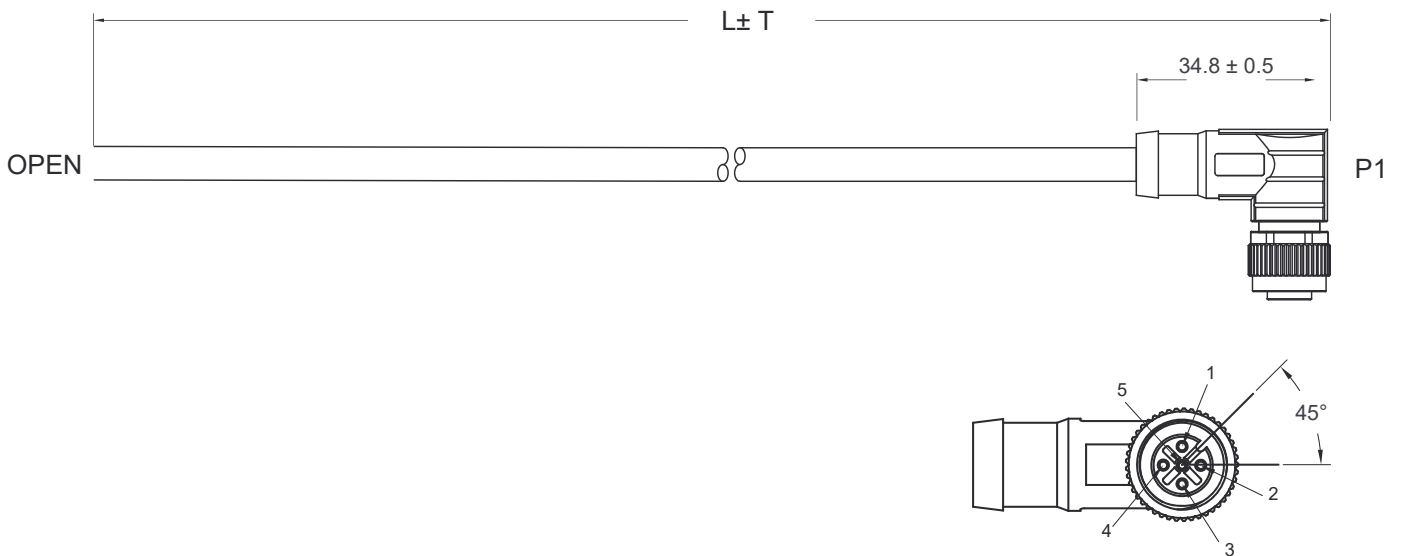
Cable Assembly Type: M12, 5 pole, A-Code, Open end / Female 90°

Description

- Sensor Cable, TPU (4x0.34mm²) (4x22AWG) BK UL/CSA
- Open end – Female angled
- M12, 5 pole, Open end / Female 90°
- A-Coded
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT
1	RED
2	BLACK
3	WHITE
4	BLUE
5	DRAIN

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Angled
- Coding: A
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 4A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 30V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Red, black, white, blue
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	5.5±0.2mm
Conductor crossection (wire)	0.34 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0001 | 7-8''-4P (M-F)

Weight: 615.9g

Country of Origin: China

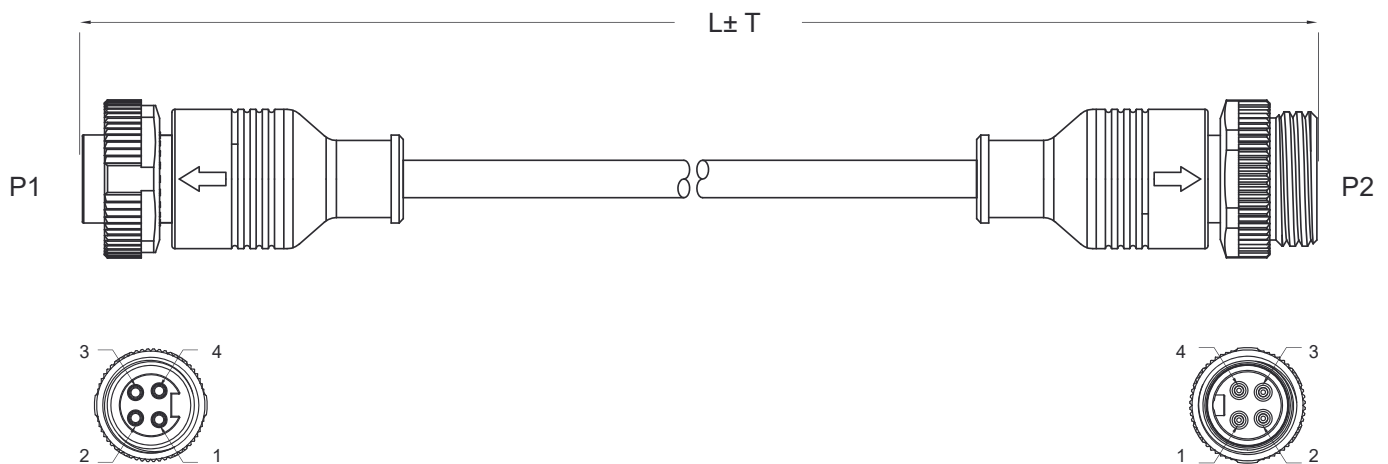
Cable Assembly Type: Mini (7/8) 4 pole, Male (Ext.) 0°/Female 0°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- Male straight – Female straight
- Mini (7/8) 4 pole, Male (Ext.) 0°/Female 0°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

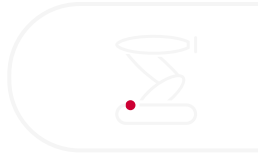


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0002 | 7-8''-4P (M-F-90)

Weight: 631.1g

Country of Origin: China

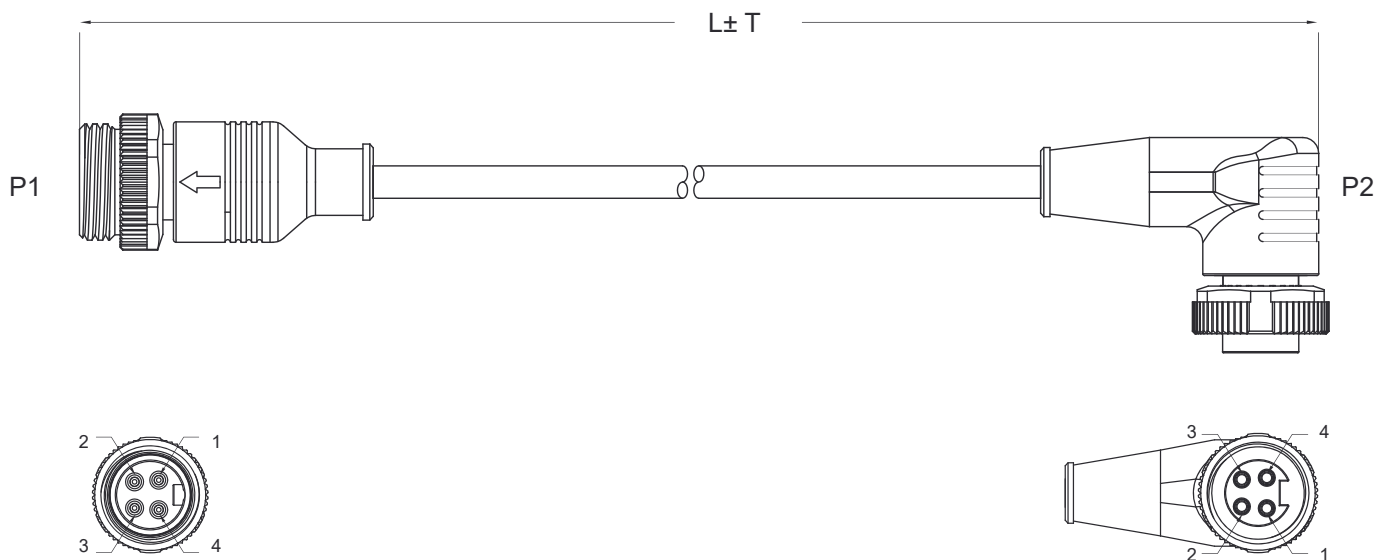
Cable Assembly Type: Mini (7/8) 4 pole, Male (Ext.) 0°/Female 90°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- Male straight – Female angled
- Mini (7/8) 4 pole, Male (Ext.) 0°/Female 90°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2±0.3mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0003 | 7-8''-4P (M-90-F)

Weight: 628.6g

Country of Origin: China

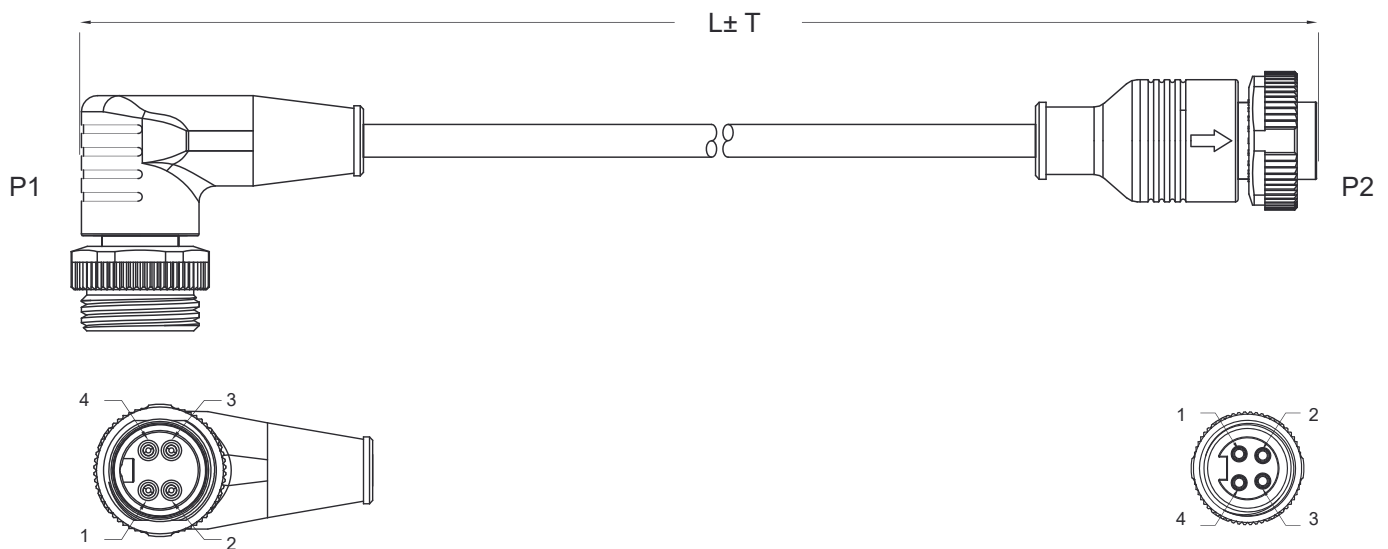
Cable Assembly Type: Mini (7/8) 4 pole, Male (Ext.) 90°/Female 0°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- Male angled – Female straight
- Mini (7/8) 4 pole, Male (Ext.) 90°/Female 0°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2±0.3mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0004 | 7-8''-4P (M-90-F 90)

Weight: 618.4g

Country of Origin: China

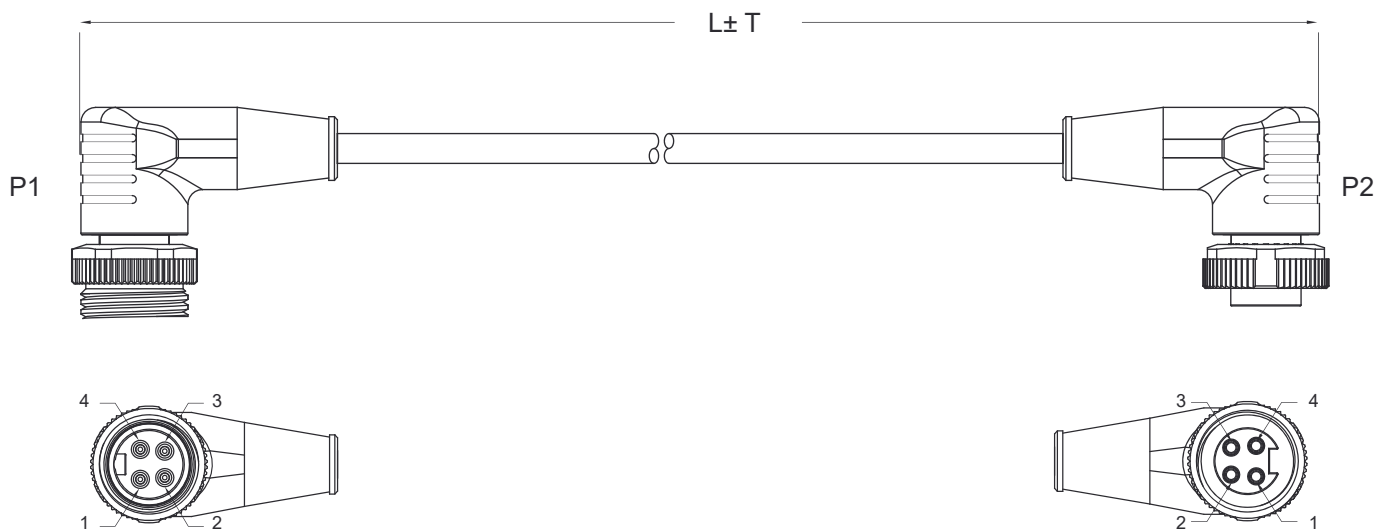
Cable Assembly Type: Mini (7/8) 4 pole, Male (Ext.) 90°/Female 90°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- Male angled – Female angled
- Mini (7/8) 4 pole, Male (Ext.) 90°/Female 90°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

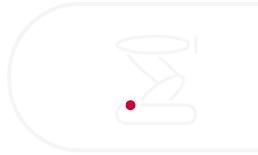


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2±0.3mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0005 | 7-8''-4P (M-F)

Weight: 588.7g

Country of Origin: China

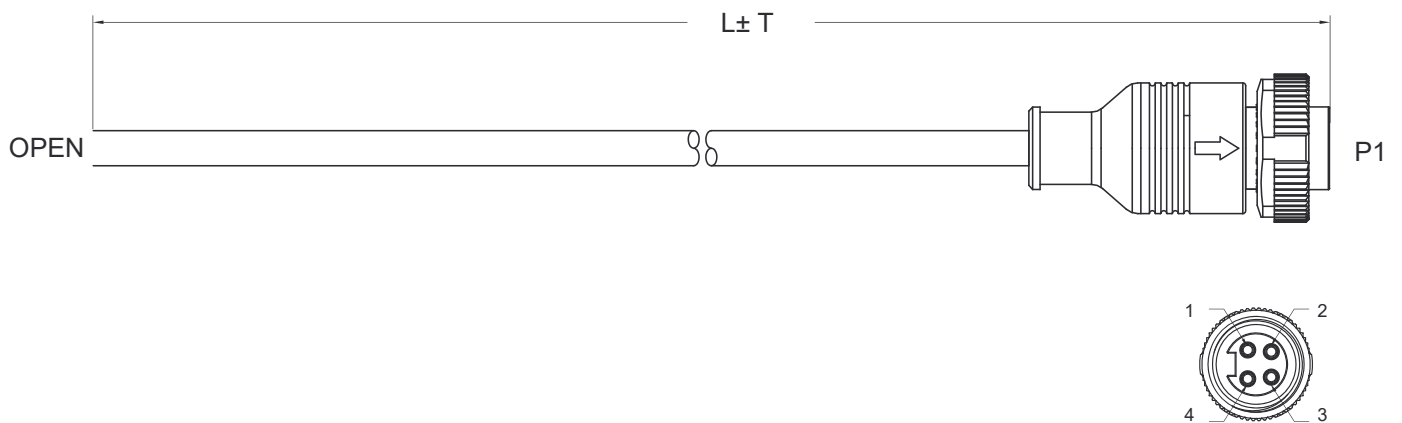
Cable Assembly Type: Mini (7/8) 4 pole, Open / Female 0°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- Open end – Female straight
- Mini (7/8) 4 pole, Open end / Female 0°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

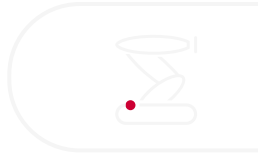


Illustration



P1	PIN ASSIGNMENT	OPEN
1	_____	BLACK
2	_____	ORANGE
3	_____	BROWN
4	_____	RED

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2±0.3mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0006 | 7-8''-4P (OPEN-F-90)

Weight: 609.2g

Country of Origin: China

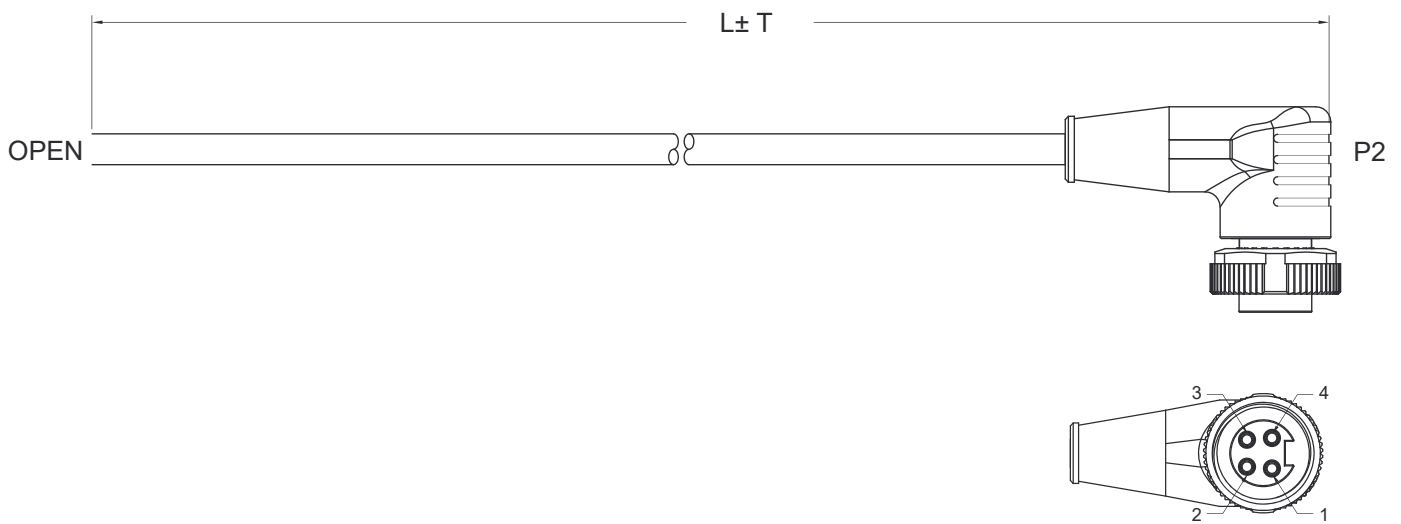
Cable Assembly Type: Mini (7/8) 4 pole, Open / Female 90°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- Open end – Female angled
- Mini (7/8) 4 pole, Open end / Female 90°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



OPEN	PIN ASSIGNMENT	P2
BLACK	_____	1
ORANGE	_____	2
BROWN	_____	3
RED	_____	4

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2±0.3mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P1.0007 | M12-4T (M-F)

Weight: 584.4g

Country of Origin: China

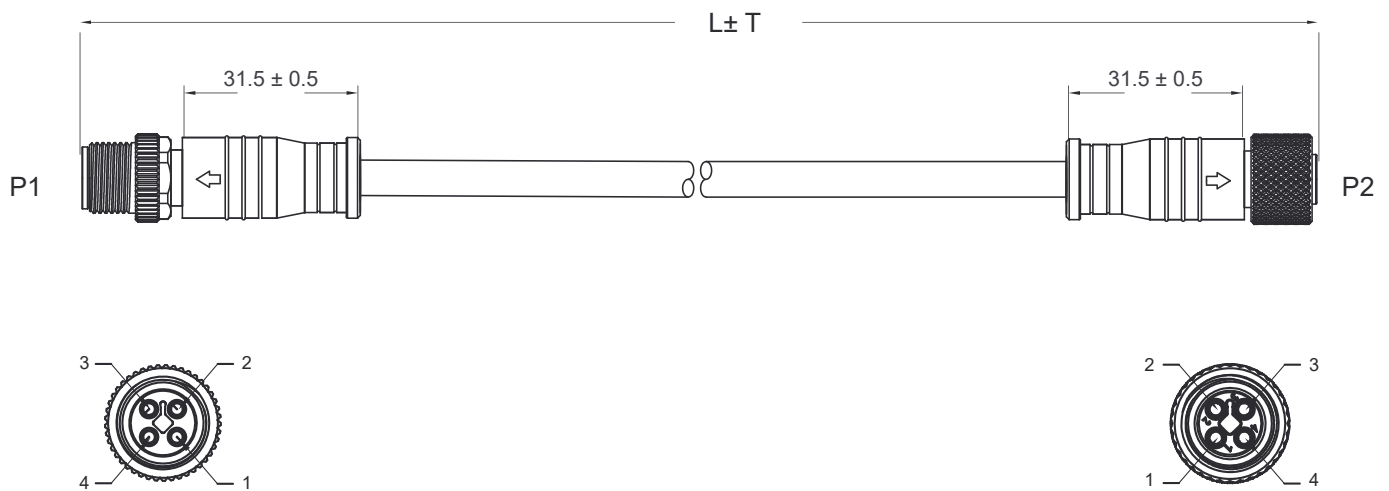
Cable Assembly Type: M12, 4 pole, T-code, Male 0° / Female 0°

Description

- Power Cable 24V, TPU 4x1.5mm² (4x16AWG) BK UL/CSA
- M12, 4 pole, T-code, Male 0° / Female 0°
- Male straight – Female straight
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

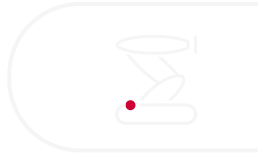


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	RED
2	_____	2	BLACK
3	_____	3	WHITE
4	_____	4	BLUE

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: T
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: T
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 4
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickered
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	8.2±0.3mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0001 | 7-8''-5P (M-F)

Weight: 748.9g

Country of Origin: China

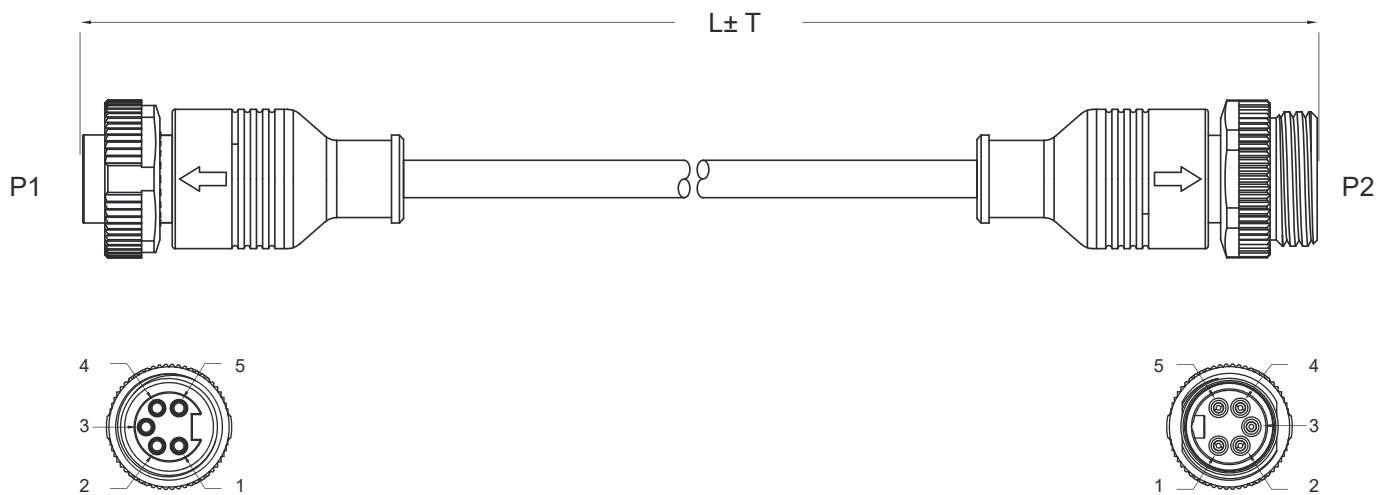
Cable Assembly Type: Mini (7/8) 5 pole, Male (Ext.) 0°/Female 0°

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Male straight – Female straight
- Mini (7/8) 5 pole, Male (Ext.) 0°/Female 0°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED
5	_____	5	YELLOW

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0002 | 7-8''-5P (M-F 90)

Weight: 764.4g

Country of Origin: China

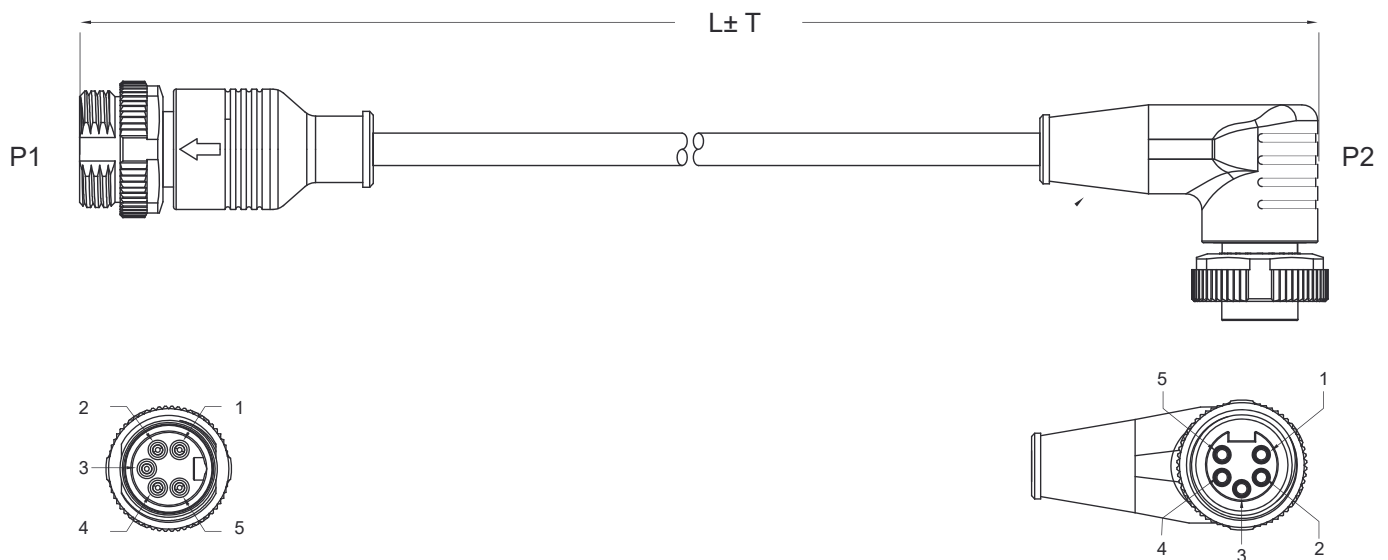
Cable Assembly Type: Mini (7/8) 5 pole, Male (Ext.) 0°/Female 90°

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Male straight – Female angled
- Mini (7/8) 5 pole, Male (Ext.) 0°/Female 90°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application.
- Further details on request.

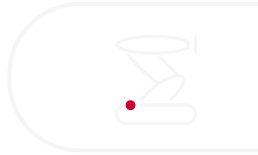


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED
5	_____	5	YELLOW

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0003 | 7-8''-5P(M-90-F)

Weight: 753.7g

Country of Origin: China

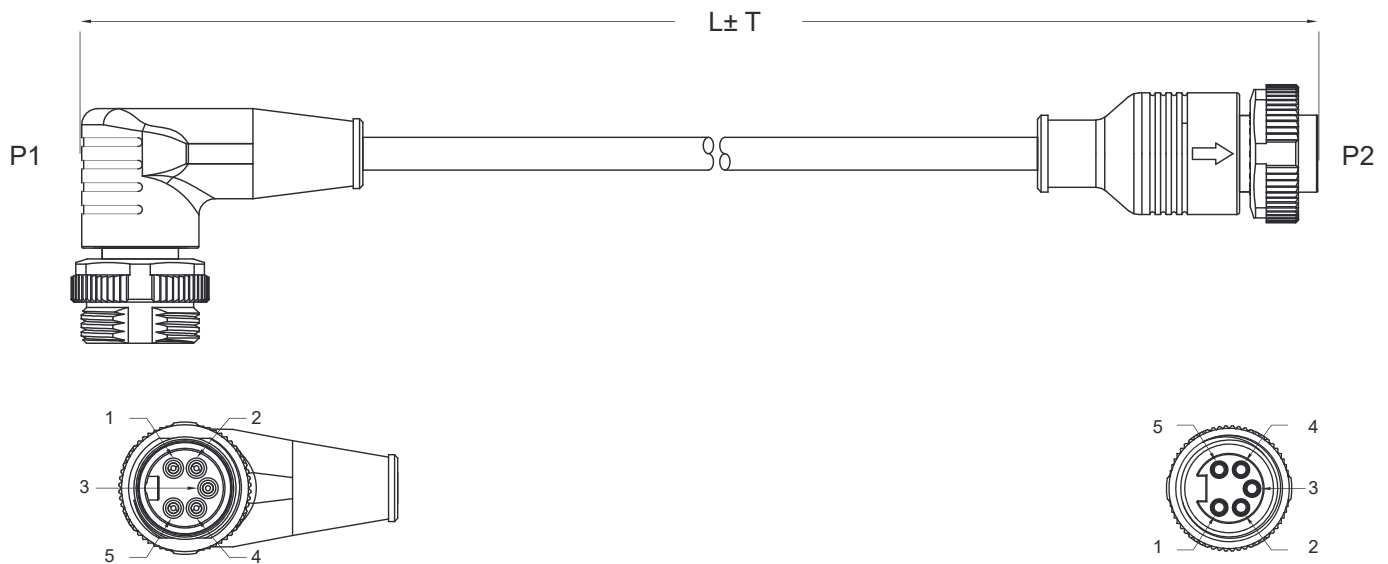
Cable Assembly Type: Mini (7/8) 5 pole, Male (Ext.) 90°/Female 0°

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Male angled – Female straight
- Mini (7/8) 5 pole, Male (Ext.) 90°/Female 0°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED
5	_____	5	YELLOW

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Straight
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0004 | 7-8''-5P(M-90-F-90)

Weight: 752.4g

Country of Origin: China

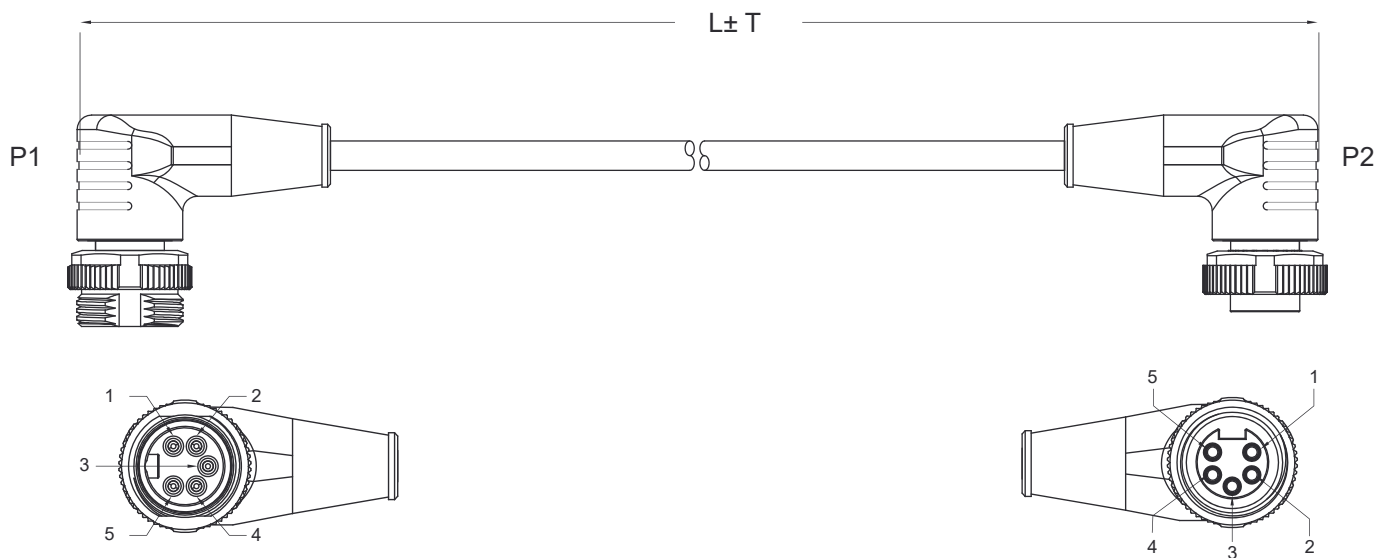
Cable Assembly Type: Mini (7/8) 5 pole, Male (Ext.) 90°/Female 90°

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Male angled – Female angled
- Mini (7/8) 5 pole, Male (Ext.) 90°/Female 90°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED
5	_____	5	YELLOW

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Male
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Angled
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0005 | 7-8''-5P(F-OPEN)

Weight: 729.9g

Country of Origin: China

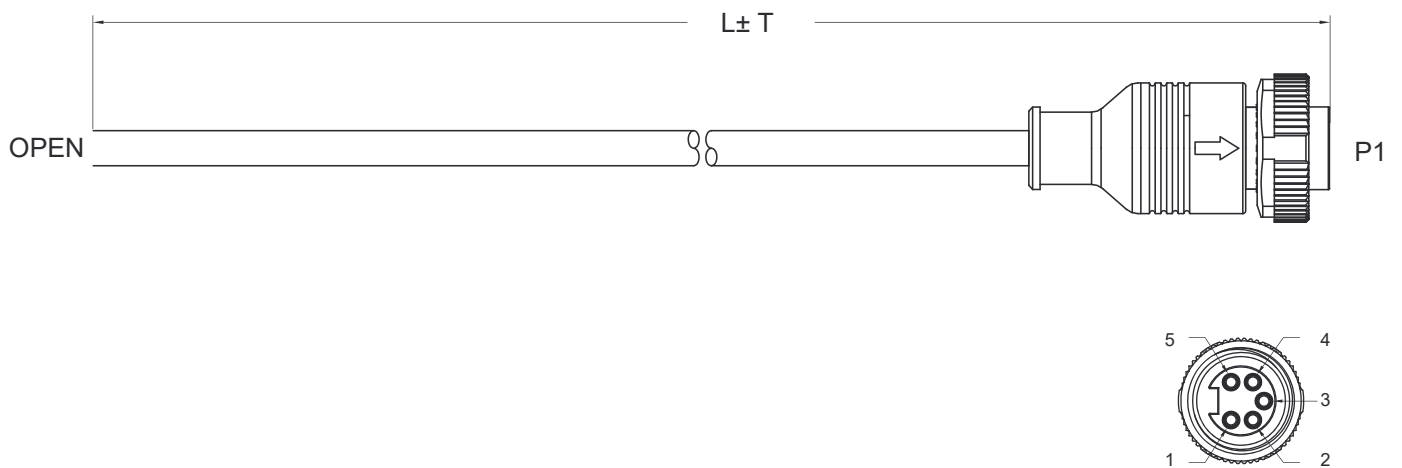
Cable Assembly Type: Mini (7/8) 5 pole, Female 0° / Open End

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Female straight
- Mini (7/8) 5 pole, Female 0° / Open End
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.



Illustration



OPEN	PIN ASSIGNMENT	P1
BLACK	_____	1
ORANGE	_____	2
BROWN	_____	3
RED	_____	4
YELLOW	_____	5

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Straight
- Coupling Nut/Screw: Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0006 | 7-8''-5P(F-90-OPEN)

Weight: 738.1g

Country of Origin: China

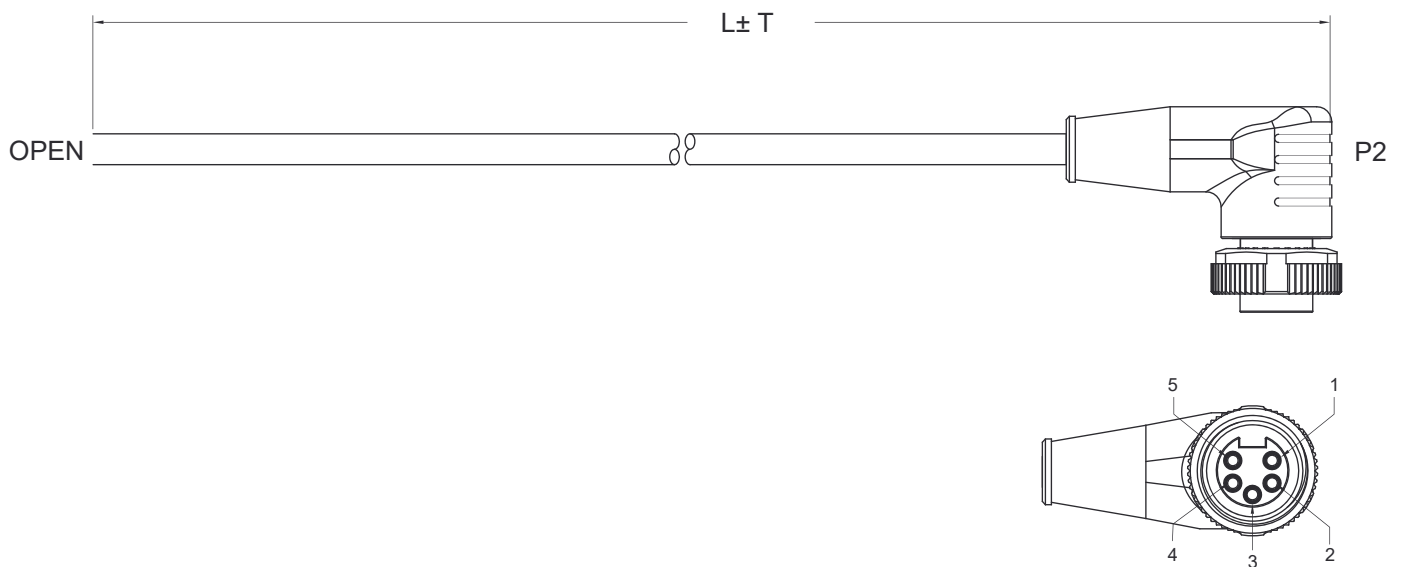
Cable Assembly Type: Mini (7/8) 5 pole, Female 90° / Open End

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Female angled
- Mini (7/8) 5 pole, Female 90° / Open End
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

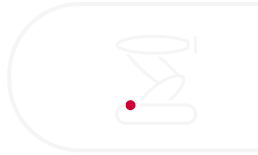


Illustration



OPEN	PIN ASSIGNMENT	P2
BLACK	_____	1
ORANGE	_____	2
BROWN	_____	3
RED	_____	4
YELLOW	_____	5

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Gold Plating
- Size: 7/8"
- Thread: 7/8"
- Gender: Female
- Cable Outlet: Angled
- Coupling Nut/Screw: Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 9A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree:
Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m

Becker Part No.: 4.BMCA.P2.0007 | M12-5P -L (M-F)

Weight: 687.5g

Country of Origin: China

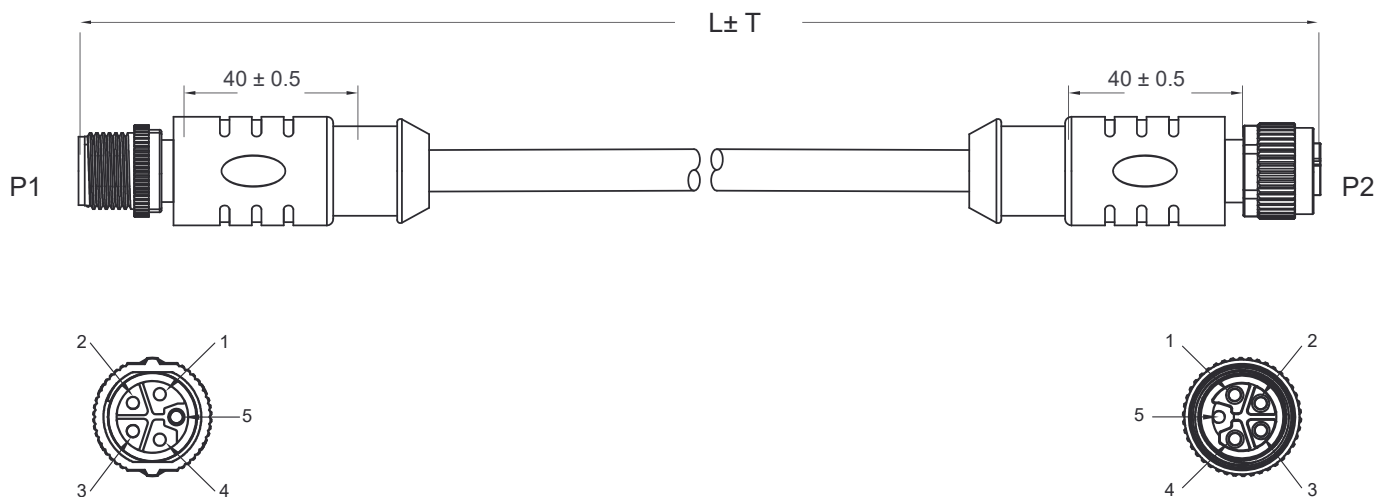
Cable Assembly Type: M12, 5 pole, L-Code, Male 0° / Female 0°

Description

- Power Cable 24V, TPU 5x1.5mm² (5x16AWG) BK UL/CSA
- Male straight – Female straight
- M12, 5 pole, L-Code, Male 0° / Female 0°
- Further cable lengths on request.
- Plastic housings with good resistance against chemicals and oils.
- The resistance to aggressive media should be individually tested for your application Further details on request.

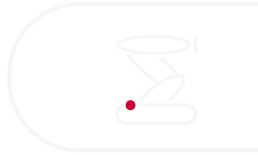


Illustration



P1	PIN ASSIGNMENT	P2	
1	_____	1	BLACK
2	_____	2	ORANGE
3	_____	3	BROWN
4	_____	4	RED
5	_____	5	YELLOW

*Laser customer's brand on the cable for samples.
 Printing customer's brand for mass production orders.
 All dimensions are in millimeters



Certifications



Cable Length (L)

1m, 2m, 3m, 4m, 5m, 6m, 7m, 8m, 9m, 10m.

* Length Tolerance (T): ~+3–5% or minimum ~50 mm

Connector Side A

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Male
- Cable Outlet: Straight
- Coding: L
- Coupling Nut/Screw: Brass with Nickel Plating
- Material: Black TPU
- Number of Poles: 5 (4+PE)
- Degree of Protection (EN IEC 60529): IP67

Connector Side B

- Tightening Torque: 0.8-3Nm
- Mounting Method: Inserted, Screwed
- Coating Contact: Brass with Gold Plating
- Size: M12
- Thread: M12x1
- Gender: Female
- Cable Outlet: Straight
- Coding: L
- Coupling Nut/Screw: Nickel Plating
- Material: Black TPU
- Insulation Plastic: PA66+GF
- Number of Poles: 5 (4+PE)
- Degree of Protection (EN IEC 60529): IP67

Commercial Data

- Customs Tariff Number: 85444290
- Packaging Unit: 1 in a Bag

Electrical Data

- Operating Voltage DC max.: 300V
- Current Operating per Contact max.: 12A

Material Data (Mechanical)

- Coating Locking: Nickerled
- Coating of Fitting: Nickel Plated
- Locking Material: Brass
- Material Screw Connection: Brass

Electrical Device Protection

- Degree of Protection (EN IEC 60259): IP67
- Additional condition protection degree: Inserted, Screwed
- Pollution Degree: IP67
- Rated Surge Voltage: 300V

Environmental Data

- Operating Temperature min.: -40 °C
- Operating Temperature max.: 80 °C

Cable Data (Electrical)

Wire arrangement	Black, orange, brown, red, yellow
Jacket Color	Black
Type of Certificate	cURus (E119932-U)
Material jacket	TPU
Outer Jacket Properties: Lead-free, Cadmium-free, CFC-free, Halogen-free, Silicone-free	
Outer-diameter (jacket)	9.0 ± 0.35mm
Conductor crosssection (wire)	1.5 mm ²

Cable Data (Mechanical)

Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter (5 million)
No. of torsion cycles	1 Mio. 25 °C (3 million)
Torsion stress	± 180 °/m



Becker Robotic – Global Reach, Local Expertise

With a commitment to innovation and customer satisfaction, Becker continues to expand its global footprint while maintaining a personalized approach to client engagement. Our team is dedicated to delivering solutions that not only meet but exceed industry standards, driving success for our partners worldwide.



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