

BULK CABLES

by Murrelektronik

➤ Sensor/actuator cables

- Unshielded
- Shielded

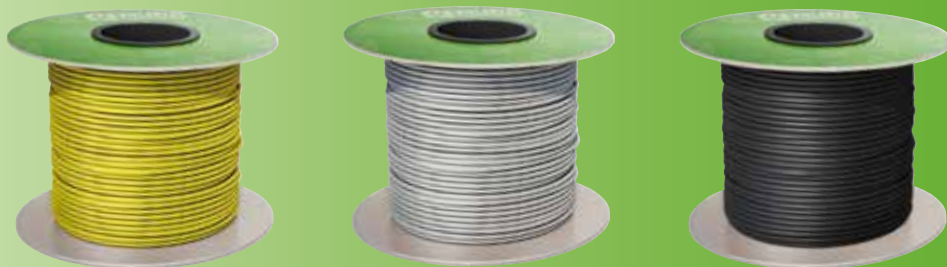
➤ Fieldbus cables

➤ Accessory



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STANDARD CABLE TYPES IN 3 COLORS



Any combination is possible!
Contact us for a individual
quote...

MURRELEKTRONIK'S BULK CABLES

Murrelektronik has a wide variety of sensor and actuator cables on drums in lengths from 100 m to 500 m which are all available immediately. Murrelektronik's ongoing relationship with many premium cable manufacturers worldwide ensures that you will receive a quality product at a fair price. You can choose from different jacket materials, colors, a cross sections and you will always get the right cable for your application.

You need a cable with UL/CSA approval? No problem! You can find many UL approved cables in our range. You can find field-wireable connectors for these cables in our online shop.

Ordering system

Create your article number in 3 easy steps:

1	Type of drum	05
Choose a drum: ■ large drum (up to 500 m)		
2	Cable length	03
Choose a cable length: ■ 300 m cable		
3	Jacket color	010
Choose a jacket color: ■ Yellow		

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR			
	3 × 0.25 mm ²	4 × 0.25 mm ²	8 × 0.25 mm ²
Approvals			
1 Type of drum	Drum (100m) 01 Drum (200–500m) 05		
2 Cable length	100m 01 200m 02 300m 03 400m 04 500m 05		
3 Jacket color	yellow 010 021 114 gray 231 292 black 630 631 722		
Article no.	7 0 0 0 - C 1 2 3 0 0 0 0		
Technical Data	Copper index 8 kg/km 11.9 kg/km 24.2 kg/km Outer diameter approx. 4.3 mm approx. 4.7 mm approx. 6.0 mm		

Your article number

7 0 0 0 - C

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| STANDARD CABLE TYPES

Murrelektronik has an extensive variety of cables for your application:

- **5 standardized cable types for your application solution** – you can definitely find the right cable!
- **3 cable colors (Yellow, Gray and Black)** – individually designed to meet your requirements
- **Meets the highest quality requirements** – certified, application approved and successfully tested with many aggressive media (oil and lubricants)



For ordinary environments

Applications

Suitable for medium mechanical demands like packaging machines, assembly and production lines.

Also ideal for limited-motion applications, which means they are suitable for open, non-recurring movements without tensile stress or mechanical feeds (not suitable for C-tracks).

Features

- outer jacket is easy to strip off
- high chemical resistance
- limited resistance to oil and lubricants
- cost-effective
- cable with UL approval

PVC



For rugged environments

Applications

Flexible control line for higher mechanical demands inside or outside; used in handling and packaging machines, assembly lines as well as production lines.

C-track data robot data

Bending radius for flexible applications: min. $10 \times \text{cable } \varnothing$

Movement speed: max. 3.3 m/s
(stroke length 5 m, acceleration 5 m/s^2)

Number of bending cycles: max. 2 M

Features

- outer jacket is easy to strip off
- high chemical resistance
- high resistance to temporary contact with oil and lubricants
- high resistance to abrasion
- UV resistant
- cable with UL approval

PUR/PVC



For demanding areas

Applications

Continually flexible control line for use in extremely demanding areas like machine tools, swivel tables and metal cutting. If the cable is installed properly, it is ideal for C-tracks.

C-track data robot data

Bending radius for flexible applications: min. $10 \times \text{cable } \varnothing$

Movement speed: max. 3.3 m/s
(stroke length 5 m, acceleration 5 m/s^2)

Number of bending cycles: max. 5 M

Torsion: $\pm 180^\circ/\text{m}$

PUR-UL/CSA

Features

- suitable for C-tracks, halogen-free, silicone- and PVC-free
- highly resistant to oil, lubricants, coolants, many chemicals as well as other aggressive media
- Flame retardant acc. to VDE 0472
- withstands high mechanical demands, high resistance to abrasion
- hydrolysis and UV-resistant
- cable with UL approval



For extreme applications

Applications

Continually flexible control line for extremely demanding areas like robotics, special welding robots, high-speed C-tracks, machine tools, assembly lines and metal cutting.

C-track data robot data

Bending radius for flexible applications: min. $10 \times \text{cable } \varnothing$

Movement speed: max. 3.3 m/s
(stroke length 5 m, acceleration 5 m/s^2)

Number of bending cycles: max. 10 M

Torsion: $\pm 360^\circ/\text{m}$

PUR
welding spark resistant

Features

All the PUR qualities listed above, including:

- high temperature resistance
- welding spark resistant
- suitable for robots
- cable with UL approval



North American Market

Applications

UL-listed approved flexible control cable for machine wiring according to NFPA 79 and for installation in cable racks according to NEC (NFPA70).

C-track data robot data

Bending radius for flexible applications: min. $10 \times \text{cable } \varnothing$

Movement speed: max. 3.3 m/s
(stroke length 5 m, acceleration 5 m/s^2)

Number of bending cycles: max. 2 M

Torsion: $\pm 180^\circ/\text{m}$

TPE

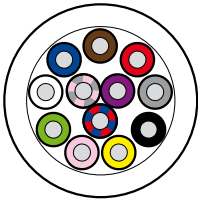
Features

- high flame resistance CSA FT4
- UL-listed approved cable
- meets requirement of NEPA79/NEC (NFPA70)
- highly flexible
- welding spark resistant

UNSHIELDED SENSOR/ACTUATOR CABLES – PVC

Approvals
UL US CE

12 × 0.14 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	209
Black	609
Article no.	
7 0 0 0 - C 1 2 - 3 0 0 0 0	

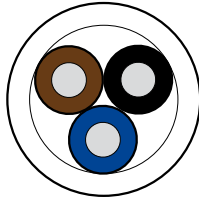
Technical Data	
Copper index	20.3 kg/km
Outer diameter	approx. 6.0 mm
Wire structure	0.14 mm² (Class 5)
Wire insulation	PVC
Outer jacket	PVC
Resistance	high resistance to oil and chemicals silicone-free, cadmium-free, lead-free, CFC-free, flame retardant
Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

UNSHIELDED SENSOR/ACTUATOR CABLES – PVC

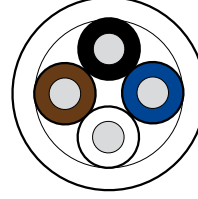
Approvals



3 × 0.25 mm²



4 × 0.25 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	010	011
Gray	210	211
Black	610	611

Article no.

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Technical Data

Copper index	9.1 kg/km	12.1 kg/km
Outer diameter	approx. 4.5 mm	approx. 4.8 mm
Wire structure	0.25 mm ² (Class 5)	
Wire insulation	PVC	
Outer jacket	PVC	
Resistance	high resistance to oil and chemicals	
	silicone-free, cadmium-free, lead-free, flame retardant, CFC-free	

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

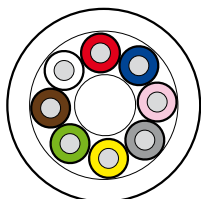
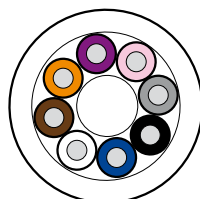
Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

UNSHIELDED SENSOR/ACTUATOR CABLES – PVC

Approvals

 $8 \times 0.25 \text{ mm}^2$  $8 \times 0.25 \text{ mm}^2$ 

1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	207
Black	607
Article no.	
7 0 0 0 - C 1 2 3 0 0 0 0	

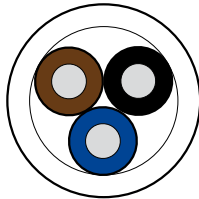
Technical Data	
Copper index	24.2 kg/km
Outer diameter	approx. 6.0 mm
Wire structure	0.25 mm² (Class 5)
Wire insulation	PVC
Outer jacket	PVC
Resistance	limited resistance to oil and very high resistance to chemicals
	silicone-free, cadmium-free, lead-free, flame retardant, CFC-free
Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	−30 ... +80°C
Flexible installation	−5 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

UNSHIELDED SENSOR/ACTUATOR CABLES – PVC

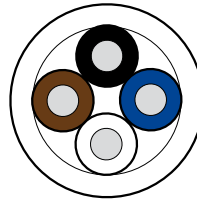
Approvals



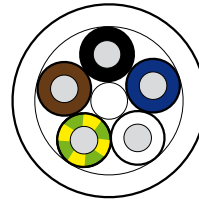
3 × 0.34 mm²



4 × 0.34 mm²



5 × 0.34 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	013	014	015
Gray	213	214	215
Black	613	614	615

Article no.

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Technical Data

Copper index	12.0 kg/km	16.0 kg/km	20.0 kg/km
Outer diameter	approx. 4.6 mm	approx. 5.0 mm	approx. 5.2 mm
Wire structure	0.34 mm ² (Class 5)		
Wire insulation	PVC		
Outer jacket	PVC		
Resistance	limited resistance to oil and very high resistance to chemicals		
	silicone-free, cadmium-free, lead-free, flame retardant, CFC-free		

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

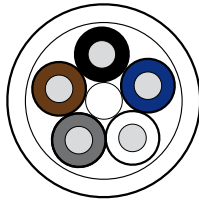
Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

UNSHIELDED SENSOR/ACTUATOR CABLES – PVC

Approvals

 $5 \times 0.34 \text{ mm}^2$ 

1	Type of drum	
	Drum (100 m)	01
	Drum (200–500 m)	05
2	Cable length	
	100 m	01
	200 m	02
	300 m	03
	400 m	04
	500 m	05
3	Jacket color	
	Gray	219
	Black	619

Article no.	1 ↓ 2 ↓ 3 ↓									
	7 0 0 0 — — — — — — — — — — — — — — — —									

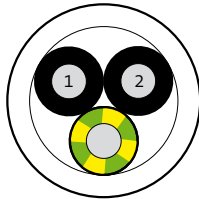
Technical Data	
Copper index	20.0 kg/km
Outer diameter	approx. 5.2 mm
Wire structure	0.34 mm² (Class 5)
Wire insulation	PVC
Outer jacket	PVC
Resistance	limited resistance to oil and very high resistance to chemicals
	silicone-free, cadmium-free, lead-free, flame retardant, CFC-free

Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

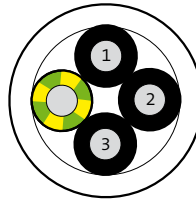
UNSHIELDED SENSOR/ACTUATOR CABLES – PVC

Approvals
CE

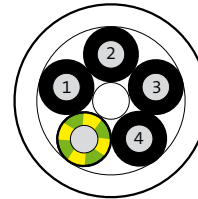
3 × 0.75 mm²



4 × 0.75 mm²



5 × 0.75 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	016	017	018
Gray	216	217	218
Black	616	617	618

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	26.1 kg/km	35.1 kg/km	43.6 kg/km
Outer diameter	approx. 5.9 mm	approx. 6.5 mm	approx. 7.0 mm
Wire structure	0.75 mm ² (Class 5)		
Wire insulation	PVC		
Outer jacket	PVC		
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, CFC-free		

Electrical data

Nominal voltage	300 V
Test voltage	3000 V

Temperature range

Fixed installation	-30 ... +70°C
Flexible installation	-5 ... +70°C

Bend radius

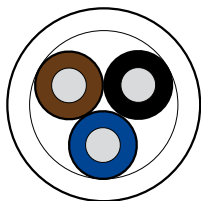
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR/PVC

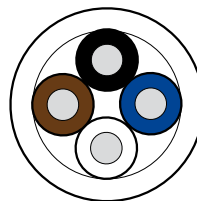
Approvals



3 × 0.25 mm²



4 × 0.25 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Yellow	020
Gray	220
Black	620
Article no.	
1 2 3 7 0 0 0 - C 1 2 - 0 0 0 0	

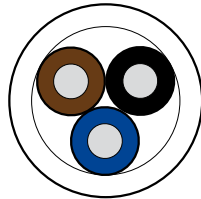
Technical Data	
Copper index	9.1 kg/km
Outer diameter	approx. 4.5 mm
Wire structure	0.25 mm ² (Class 6)
Wire insulation	PVC
Outer jacket	PUR/PVC
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, CFC-free resistant to microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	-30 ... +80°C
Flexible installation	-5 ... +80°C
Bend radius	
Fixed installation	10 × outer Ø
Flexible installation	15 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 2 M

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR/PVC

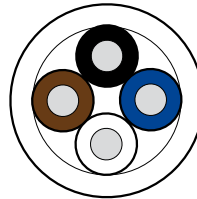
Approvals



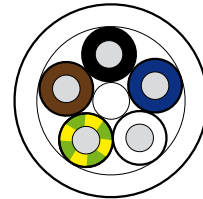
3 × 0.34 mm²



4 × 0.34 mm²



5 × 0.34 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	023	024	025
Gray	223	224	225
Black	623	624	625

Article no.

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Technical Data

Copper index	12.7 kg/km	16.9 kg/km	21.2 kg/km
Outer diameter	approx. 4.9 mm	approx. 5.2 mm	approx. 5.9 mm
Wire structure	0.34 mm ² (Class 6)		
Wire insulation	PVC		
Outer jacket	PUR/PVC		
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, CFC-free resistant to microbes, hydrolysis and abrasion		

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

Fixed installation	10 × outer Ø
Flexible installation	15 × outer Ø

C-track data

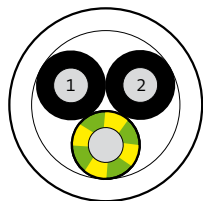
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 2 M

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR/PVC

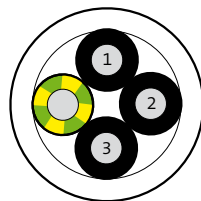
Approvals



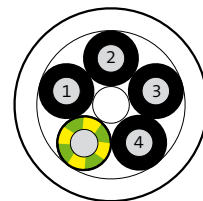
3 × 0.75 mm²



4 × 0.75 mm²



5 × 0.75 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	026	027	028
Gray	226	227	228
Black	626	627	628

Article no.

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Technical Data

Copper index	26.7 kg/km	35.1 kg/km	43.6 kg/km
Outer diameter	approx. 5.9 mm	approx. 6.5 mm (cable 227: approx. 7.0 mm)	approx. 7.0 mm
Wire structure	0.75 mm ² (Class 6)		
Wire insulation	PVC		
Outer jacket	PUR/PVC		
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, CFC-free resistant to microbes, hydrolysis and abrasion		

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

Fixed installation	10 × outer Ø
Flexible installation	15 × outer Ø

C-track data

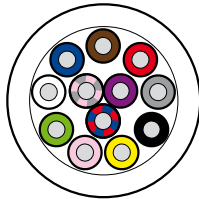
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 2 M

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

Approvals



12 × 0.14 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Black	705
Article no.	
	1 2 3 7 0 0 0 - C --- - --- 0 0 0 0

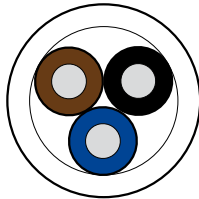
Technical Data	
Copper index	19.6 kg/km
Outer diameter	approx. 6.0 mm
Wire structure	0.14 mm ² (Class 6)
Wire insulation	TPM/PP
Outer jacket	PUR
Resistance	limited resistance to oil and very high resistance to chemicals cadmium-free, lead-free, CFC-free, halogen-free, flame retardant resistant to microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	1500 V
Temperature range	
Fixed installation	-40 ... +85°C
Flexible installation	-25 ... +85°C
Bend radius	
Fixed installation	7.5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 2 M
Robot data	
Torsion	± 180°/m

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

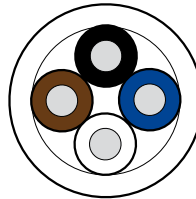
Approvals



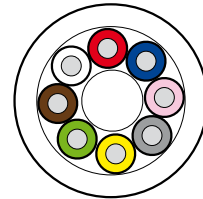
3 × 0.25 mm²



4 × 0.25 mm²



8 × 0.25 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	030	031	114
Gray	230	231	292
Black	630	631	722

Article no.

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Technical Data

Copper index	8.9 kg/km	11.9 kg/km	24.2 kg/km
Outer diameter	approx. 4.3 mm	approx. 4.7 mm	approx. 6.0 mm
Wire structure	0.25 mm ² (Class 6)		
Wire insulation	PP		
Outer jacket	PUR		
Resistance	limited resistance to oil and very high resistance to chemicals		
	silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free		
	resistant to microbes, hydrolysis and abrasion		

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

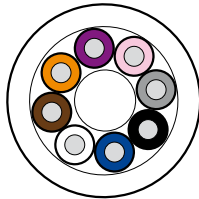
Torsion	± 180°/m (max. 2 M cycles)
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| UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

Approvals



8 × 0.25 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	295
Article no.	
	1 2 3 7 0 0 0 - C --- - --- 0 0 0 0

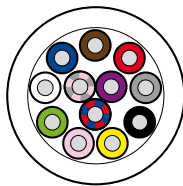
Technical Data	
Copper index	23.2 kg/km
Outer diameter	approx. 6.0 mm
Wire structure	0.25 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2500 V
Temperature range	
Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M
Robot data	
Torsion	± 180°/m (max. 2 M cycles)

| UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

Approvals



12 × 0.25 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	301
------	-----

Article no.

1
2
3
7 0 0 0 - C _ _ _ _ - _ _ _ 0 0 0 0

Technical Data

Copper index	34.8 kg/km
Outer diameter	approx. 6.9 mm
Wire structure	0.25 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	1500 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–20 ... +80°C

Bend radius

Fixed installation	10 × outer Ø
Flexible installation	15 × outer Ø

C-track data

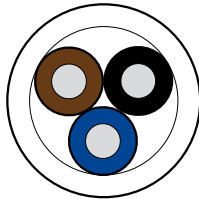
Movement speed	max. 2 m/s (stroke length 5 m, acceleration 10 m/s ²)
Number of bending cycles	max. 3 M

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

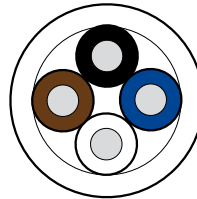
Approvals



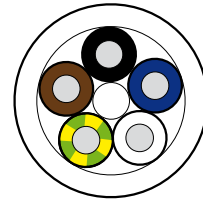
3 × 0.34 mm²



4 × 0.34 mm²



5 × 0.34 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Yellow	033
Gray	233
Black	633

Article no.	
	1 2 3 7 0 0 0 - C --- --- --- - 0 0 0 0

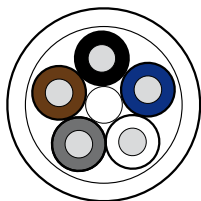
Technical Data	
Copper index	12.2 kg/km
Outer diameter	approx. 4.3 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2500 V
Temperature range	
Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M
Robot data	
Torsion	± 180°/m (max. 2 M cycles)

| UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

Approvals



5 × 0.34 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	126
Gray	354
Black	732

Article no.

1
2
3
7 0 0 0 - C _ _ _ _ - _ _ _ 0 0 0 0

Technical Data

Copper index	20.5 kg/km
Outer diameter	approx. 5.0 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, CFC-free, halogen-free, flame retardant resistant to microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

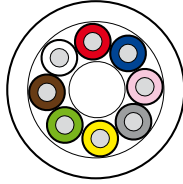
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

Torsion	± 180°/m (max. 2 M cycles)
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| UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

8 × 0.34 mm²



Approvals



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	376
Article no.	
	1 2 3 7 0 0 0 - C --- - --- 0 0 0 0

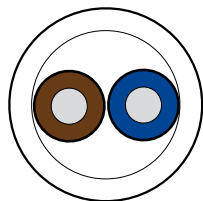
Technical Data	
Copper index	35.2 kg/km
Outer diameter	approx. 6.2 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2500 V
Temperature range	
Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M
Robot data	
Torsion	± 180°/m (max. 2 M cycles)

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

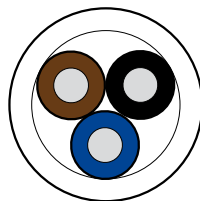
Approvals



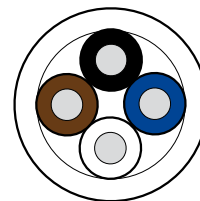
2 × 0.5 mm²



3 × 0.5 mm²



4 × 0.5 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	414	428	
Black			737

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	12.2 kg/km	17.4 kg/km	24.6 kg/km
Outer diameter	approx. 4.4 mm	approx. 4.6 mm	approx. 4.9 mm
Wire structure	0.5 mm ² (Class 6)	0.5 mm ² (Class 5)	0.5 mm ² (Class 6)
Wire insulation	PP		
Outer jacket	PUR		
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to microbes, hydrolysis and abrasion		

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

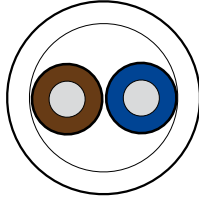
Torsion	± 180°/m (max. 2 M cycles)
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UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

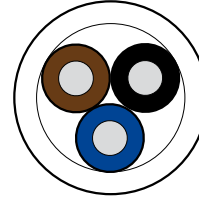
Approvals



2 × 0.75 mm²



3 × 0.75 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	145	
Black	754	564

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	17.4 kg/km	26.5 kg/km
Outer diameter	approx. 5.0 mm	approx. 5.9 mm
Wire structure	0.75 mm ² (Class 6)	
Wire insulation	PP	
Outer jacket	PUR	
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, CFC-free, halogen-free, flame retardant resistant to microbes, hydrolysis and abrasion	

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

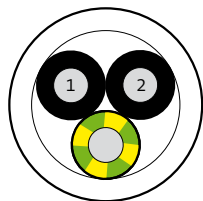
Torsion	± 180°/m (max. 2 M cycles)
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UNSHIELDED SENSOR/ACTUATOR CABLES – PUR

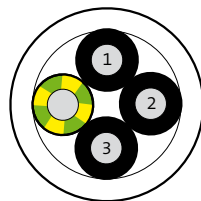
Approvals



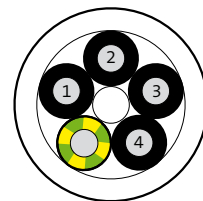
3 × 0.75 mm²



4 × 0.75 mm²



5 × 0.75 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	036	037	038
Gray	236	237	238
Black	636	637	638

Article no.

1
2
3
7 0 0 0 - C -- -- - --- 0 0 0 0

Technical Data

Copper index	26.1 kg/km	34.8 kg/km	43.6 kg/km
Outer diameter	approx. 5.9 mm	approx. 6.5 mm	approx. 7.0 mm
Wire structure	0.75 mm ² (Class 6)		
Wire insulation	PP		
Outer jacket	PUR		
Resistance	limited resistance to oil and very high resistance to chemicals		
	silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free		
	resistant to microbes, hydrolysis and abrasion		

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

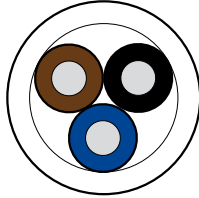
Torsion	± 180°/m (max. 2 M cycles)
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UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

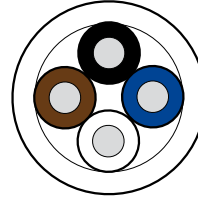
Approvals



3 × 0.25 mm²



4 × 0.25 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	050	051
Gray	250	251
Black	650	651

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	9.1 kg/km	12.1 kg/km
Outer diameter	approx. 4.3 mm	approx. 4.7 mm
Wire structure	0.25 mm ² (Class 6)	
Wire insulation	PP	
Outer jacket	PUR welding spark resistant	
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion	

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 10 M

Robot data

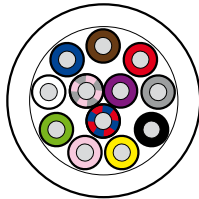
Torsion	± 360°/m (max. 1 M cycles)
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| UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

Approvals



12 × 0.25 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	302
Article no.	
	1 2 3 7 0 0 0 - C --- - --- 0 0 0 0

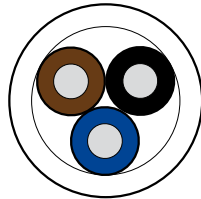
Technical Data	
Copper index	36.5 kg/km
Outer diameter	approx. 6.9 mm
Wire structure	0.25 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR welding spark resistant
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2500 V
Temperature range	
Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M
Robot data	
Torsion	± 180°/m (max. 1 M cycles)

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

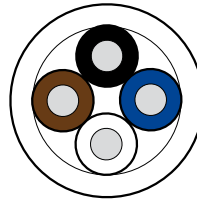
Approvals



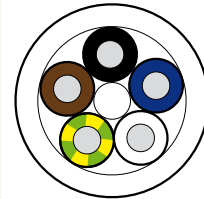
3 × 0.34 mm²



4 × 0.34 mm²



5 × 0.34 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	053	054	055
Gray	253	254	255
Black	653	654	655

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	12.2 kg/km	16.3 kg/km	20.4 kg/km
Outer diameter	approx. 4.3 mm	approx. 4.7 mm	approx. 5.0 mm
Wire structure	0.34 mm ² (Class 6)		
Wire insulation	PP		
Outer jacket	PUR welding spark resistant		
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion		

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 10 M

Robot data

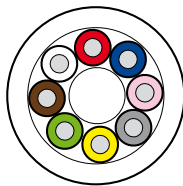
Torsion	± 360°/m (max. 1 M cycles)
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| UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

Approvals



8 × 0.34 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	377
------	-----

Article no.

1
2
3
7 0 0 0 - C -- -- - --- 0 0 0 0

Technical Data

Copper index	32.8 kg/km
Outer diameter	approx. 6.2 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR welding spark resistant
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

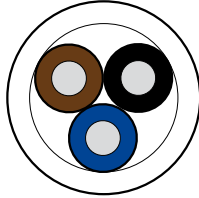
Torsion	± 180°/m (max. 1 M cycles)
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UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

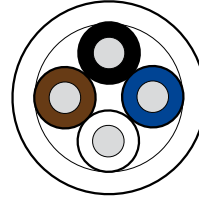
Approvals



3 × 0.34 mm²



4 × 0.34 mm²



1 Type of drum	
Drum (100 m)	01
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
orange	845
	846
Article no.	
	1 2 3 7 0 0 0 - C --- --- - --- 0 0 0 0

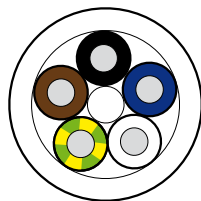
Technical Data	
Copper index	12.2 kg/km
Outer diameter	approx. 4.3 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR welding spark resistant
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2500 V
Temperature range	
Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 10 M
Robot data	
Torsion	± 360°/m (max. 1 M cycles)

UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

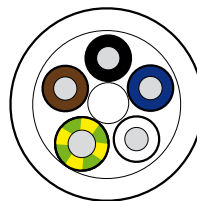
Approvals



5 × 0.34 mm²



4 × 0.34 mm² + 1 × 0.5 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

orange	847	852
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Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	20.4 kg/km	22.4 kg/km
Outer diameter	approx. 5.0 mm	approx. 5.2 mm
Wire structure	0.34 mm ² (Class 6)	
Wire insulation	PP	
Outer jacket	PUR welding spark resistant	
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion	

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 10 M

Robot data

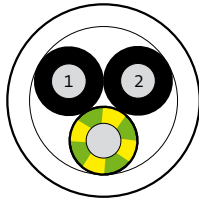
Torsion	± 360°/m (max. 1 M cycles)
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UNSHIELDED SENSOR/ACTUATOR CABLES – PUR WELDING SPARK RESISTANT

Approvals



3 × 0.75 mm²



1 Type of drum

Drum (100 m)	01
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Yellow	056
Gray	256
Black	656

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	26.1 kg/km
Outer diameter	approx. 5.2 mm
Wire structure	0.75 mm ² (Class 6)
Wire insulation	PP
Outer jacket	PUR welding spark resistant
Resistance	limited resistance to oil and very high resistance to chemicals silicone-free, cadmium-free, lead-free, flame retardant, CFC-free, halogen-free resistant to welding sparks, microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	2500 V

Temperature range

Fixed installation	-40 ... +80°C
Flexible installation	-25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 10 M

Robot data

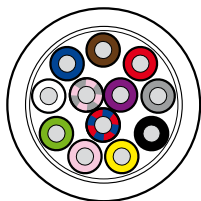
Torsion	± 360°/m (max. 1 M cycles)
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| SHIELDED SENSOR/ACTUATOR CABLES – PVC

Approvals



12 × 0.14 mm²



1 Type of drum	
Drum (100 m)	02
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Black	703
Article no.	
	1 2 3 7 0 0 0 - C --- - --- 0 0 0 0

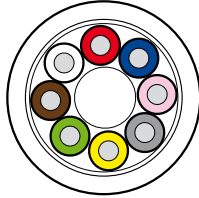
Technical Data	
Copper index	36.3 kg/km
Outer diameter	approx. 6.5 mm
Wire structure	0.14 mm ² (Class 5)
Wire insulation	PVC
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece
Outer jacket	PVC
Resistance	limited resistance to oil and very high resistance to chemicals
	CFC-free, silicone-free, cadmium-free, lead-free, flame retardant
Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C
Bend radius	
Fixed installation	10 × outer Ø

| SHIELDED SENSOR/ACTUATOR CABLES – PVC

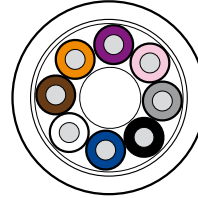
Approvals



8 × 0.25 mm²



8 × 0.25 mm²



1 Type of drum	
Drum (100 m)	02
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	204
	205
Article no.	
	1 2 3 7 0 0 0 - C --- --- --- - 0 0 0 0

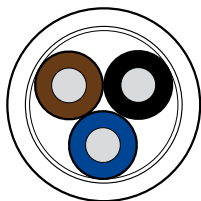
Technical Data	
Copper index	38.1 kg/km
Outer diameter	approx. 7.0 mm
Wire structure	0.25 mm ² (Class 5)
Wire insulation	PVC
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece
Outer jacket	PVC
Resistance	limited resistance to oil and very high resistance to chemicals
	CFC-free, silicone-free, cadmium-free, lead-free, flame retardant
Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C
Bend radius	
Fixed installation	10 × outer Ø

| SHIELDED SENSOR/ACTUATOR CABLES – PVC

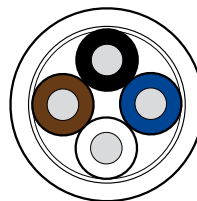
Approvals



3 × 0.34 mm²



4 × 0.34 mm²



1 Type of drum

Drum (100 m)	02
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	200	201
Black	600	601

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	28.1 kg/km	32.5 kg/km
Outer diameter	approx. 5.0 mm	approx. 5.3 mm
Wire structure	0.34 mm ² (Class 5)	
Wire insulation	PVC	
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece	
Outer jacket	PVC	
Resistance	limited resistance to oil and very high resistance to chemicals	
	CFC-free, silicone-free, cadmium-free, lead-free, flame retardant	

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

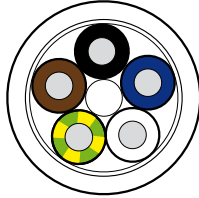
Fixed installation	10 × outer Ø
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| SHIELDED SENSOR/ACTUATOR CABLES – PVC

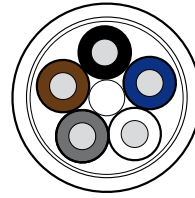
Approvals



5 × 0.34 mm²



5 × 0.34 mm²



1 Type of drum

Drum (100 m)	02
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	202	203
Black	602	603

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	38.2 kg/km
Outer diameter	approx. 5.6 mm
Wire structure	0.34 mm ² (Class 5)
Wire insulation	PVC
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece
Outer jacket	PVC
Resistance	limited resistance to oil and very high resistance to chemicals
	CFC-free, silicone-free, cadmium-free, lead-free, flame retardant

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

Fixed installation	–30 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

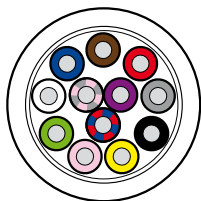
Fixed installation	10 × outer Ø
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| SHIELDED SENSOR/ACTUATOR CABLES – PUR

Approvals



12 × 0.14 mm²



1 Type of drum

Drum (100 m)	02
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Black	706
-------	-----

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	38.7 kg/km
Outer diameter	approx. 6.5 mm
Wire structure	0.14 mm ² (Class 6)
Wire insulation	PP
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece
Outer jacket	PUR
Resistance	high resistance to oil and very high resistance to chemicals
	CFC-free, silicone-free, cadmium-free, lead-free, limited flame retardant, halogen-free
	resistant to microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

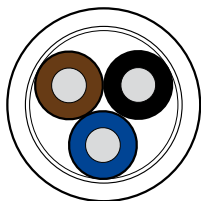
Torsion	± 30°/m (max. 2 M cycles)
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| SHIELDED SENSOR/ACTUATOR CABLES – PUR

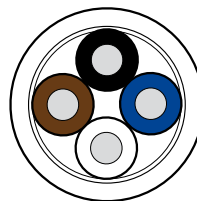
Approvals



3 × 0.34 mm²



4 × 0.34 mm²



1 Type of drum	
Drum (100 m)	02
Drum (200–500 m)	05
2 Cable length	
100 m	01
200 m	02
300 m	03
400 m	04
500 m	05
3 Jacket color	
Gray	240
Black	640
Article no.	

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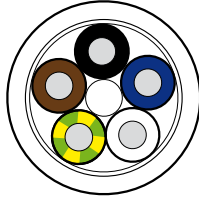
Technical Data	
Copper index	21.9 kg/km
Outer diameter	approx. 5.0 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece
Outer jacket	PUR
Resistance	high resistance to oil and very high resistance to chemicals
	CFC-free, silicone-free, cadmium-free, lead-free, flame retardant, halogen-free
	resistant to microbes, hydrolysis and abrasion
Electrical data	
Nominal voltage	300 V
Test voltage	2000 V
Temperature range	
Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C
Bend radius	
Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø
C-track data	
Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M
Robot data	
Torsion	± 30°/m (max. 2 M cycles)

| SHIELDED SENSOR/ACTUATOR CABLES – PUR

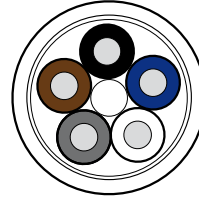
Approvals



5 × 0.34 mm²



5 × 0.34 mm²



1 Type of drum

Drum (100 m)	02
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	242	243
Black	642	643

Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	32.5 kg/km
Outer diameter	approx. 5.6 mm
Wire structure	0.34 mm ² (Class 6)
Wire insulation	PP
Shielding	polyester foil, screen tinned copper wire braid (approx. 80 % covering), polyester fleece
Outer jacket	PUR
Resistance	high resistance to oil and very high resistance to chemicals CFC-free, silicone-free, cadmium-free, lead-free, flame retardant, halogen-free resistant to microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	2000 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–25 ... +80°C

Bend radius

Fixed installation	5 × outer Ø
Flexible installation	10 × outer Ø

C-track data

Movement speed	max. 3.3 m/s (stroke length 5 m, acceleration 5 m/s ²)
Number of bending cycles	max. 5 M

Robot data

Torsion	± 30°/m (max. 2 M cycles)
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| SHIELDED SENSOR/ACTUATOR CABLES – PUR

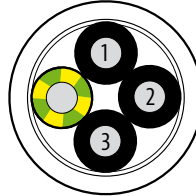
Approvals



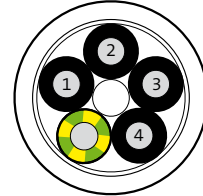
3 × 0.75 mm²



4 × 0.75 mm²



5 × 0.75 mm²



1 Type of drum

Drum (100 m)	02
Drum (200–500 m)	05

2 Cable length

100 m	01
200 m	02
300 m	03
400 m	04
500 m	05

3 Jacket color

Gray	492	508	518
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Article no.

7 0 0 0 - C 1 2 - 3 0 0 0 0

Technical Data

Copper index	62.9 kg/km	56.9 kg/km	85.9 kg/km
Outer diameter	approx. 6.1 mm	approx. 6.5 mm	approx. 7.4 mm
Wire structure	0.75 mm ² (Class 5)		
Wire insulation	PVC		
Shielding	polyester foil, screen tinned copper wire braid (approx. 85 % covering), polyester fleece		
Outer jacket	PUR		
Resistance	high resistance to oil and very high resistance to chemicals		
	CFC-free, cadmium-free		
	lead-free, silicone-free, halogen-free		
	resistant to microbes, hydrolysis and abrasion	–	resistant to microbes, hydrolysis and abrasion

Electrical data

Nominal voltage	300 V
Test voltage	3000 V

Temperature range

Fixed installation	–40 ... +80°C
Flexible installation	–5 ... +80°C

Bend radius

Fixed installation	10 × outer Ø
Flexible installation	15 × outer Ø

| NOTES

| NOTES



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