

Кабели датчика привода

Технические характеристики

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Actuator-Sensor-Cables for the industrial environment

LÜTZE offers highly flexible actuator-sensor cables colour-coded in conformity with EN 60947-5-2 with a black PUR jacket for industrial environments. These cables are suited to field wiring as well as mechanical processing.

LÜTZE offers consulting, project planning and assembly from experienced specialists. LÜTZE also supports you with pre-assembled cables from the actuator sensor area as well as network technology.

Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 4×0,34
Part No. [117244.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	4×0.34
Number of conductors	4
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.5 mm
Outer Ø	0.177 inch
Surface	adhesion-free, matte
Weight	3 kg/100 m
Weight	20.1 Lbs/Mft
Cu-Index	1.32 kg/100 m
Cu-Index	8.8 Lbs/Mft

Construction Element 1

Element construction	4×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown · white · blue · black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	4×0.34
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 8×0,25
Part No. [117242.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	8×0.25
Number of conductors	8
Cross-section, metric	0.25 mm ²
Cross-section AWG	AWG 24
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	5.9 mm
Outer Ø	0.232 inch
Surface	adhesion-free, matte
Weight	4.3 kg/100 m
Weight	28.81 Lbs/Mft
Cu-Index	1.92 kg/100 m
Cu-Index	12.9 Lbs/Mft

Construction Element 1

Element construction	8×0.25
Conductor construction	32×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	white • brown • green • yellow • grey • pink • blue • red
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	85.8 Ω/km
Operating capacitance wire-wire	≤55 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 3×0,34
Part No. [117243.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	3×0.34
Number of conductors	3
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.2 mm
Outer Ø	0.165 inch
Surface	adhesion-free, matte
Weight	2.6 kg/100 m
Weight	17.42 Lbs/Mft
Cu-Index	0.98 kg/100 m
Cu-Index	6.6 Lbs/Mft

Construction Element 1

Element construction	3×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	3×0.34
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 3G1,0+16×0,34
Part No. [110874.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	3G1.0+16×0.34
Number of conductors	19
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	9.7 mm
Outer Ø	0.382 inch
Surface	adhesion-free, matte
Weight	14.1 kg/100 m
Weight	94.47 Lbs/Mft
Cu-Index	8.1 kg/100 m
Cu-Index	54 Lbs/Mft

Construction Element 1

Element construction	3G1.0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • blue • green/yellow
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Construction Element 2

Element construction	16×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	white • green • yellow • grey • pink • red • black • violet • grey/pink • red/blue • white/green • brown/green • white/yellow • yellow/brown • white/grey • grey/ brown
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	3G1.0
Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤22.4 Ω/km
Operating capacitance wire-wire	≤65 pF/m

Technical Data Element 2

Element construction	16×0.34
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 3G1,0+8×0,34
Part No. [110872.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	3G1.0+8×0.34
Number of conductors	11
Cross-section, metric	0.34 mm²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	8.2 mm
Outer Ø	0.323 inch
Surface	adhesion-free, matte
Weight	9.6 kg/100 m
Separating agent	Talcum
Weight	64.32 Lbs/Mft
Cu-Index	5.5 kg/100 m
Cu-Index	37 Lbs/Mft

Construction Element 1

Element construction	3G1.0
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • blue • green/yellow
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Construction Element 2

Element construction	8×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	white • black • green • yellow • grey • pink • violet • red
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	3G1.0
Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤22.4 Ω/km
Operating capacitance wire-wire	<65 pF/m

Technical Data Element 2

Element construction	8×0.34
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (8×0,25)
Part No. [117252.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• High protection against electromagnetic interferences (EMI)• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(8×0.25)
Number of conductors	8
Cross-section, metric	0.25 mm ²
Cross-section AWG	AWG 24
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	6.3 mm
Outer Ø	0.248 inch
Surface	adhesion-free, matte
Weight	5.8 kg/100 m
Weight	38.86 Lbs/Mft
Cu-Index	3.3 kg/100 m
Cu-Index	22.1 Lbs/Mft

Construction Element 1

Element construction	(8×0.25)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown • white • green • yellow • grey • pink • blue • red
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(8×0.25)
Insulation resistance at 20 °C	≥100 MΩ×km
Operating capacitance wire-wire	≤85 pF/m
Operating capacitance wire-shield	≤165 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1

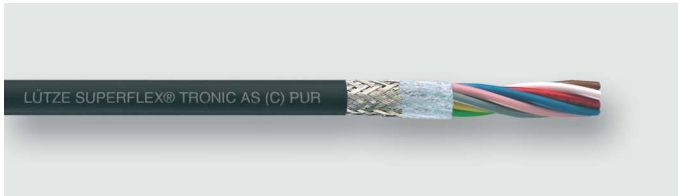
General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (3×0,25)
Part No. [117250.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• High protection against electromagnetic interferences (EMI)• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(3×0.25)
Number of conductors	3
Cross-section, metric	0.25 mm²
Cross-section AWG	AWG 24
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.6 mm
Outer Ø	0.181 inch
Surface	adhesion-free, matte
Weight	3.1 kg/100 m
Weight	20.77 Lbs/Mft
Cu-Index	1.6 kg/100 m
Cu-Index	10.7 Lbs/Mft

Construction Element 1

Element construction	(3×0.25)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(3×0.25)
Insulation resistance at 20 °C	≥100 MΩ×km
Operating capacitance wire-wire	≤85 pF/m
Operating capacitance wire-shield	≤165 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (4×0,25)
Part No. [117251.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• High protection against electromagnetic interferences (EMI)• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(4×0.25)
Number of conductors	4
Cross-section, metric	0.25 mm ²
Cross-section AWG	AWG 24
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.9 mm
Outer Ø	0.193 inch
Surface	adhesion-free, matte
Weight	3.5 kg/100 m
Weight	23.45 Lbs/Mft
Cu-Index	1.9 kg/100 m
Cu-Index	12.7 Lbs/Mft

Construction Element 1

Element construction	(4×0.25)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown • white • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(4×0.25)
Insulation resistance at 20 °C	≥100 MΩ×km
Operating capacitance wire-wire	≤85 pF/m
Operating capacitance wire-shield	≤165 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 5G0,34
Part No. [117246.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	5×0.34
Number of conductors	6
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.9 mm
Outer Ø	0.193 inch
Surface	adhesion-free, matte
Weight	3.4 kg/100 m
Weight	22.78 Lbs/Mft
Cu-Index	1.64 kg/100 m
Cu-Index	11 Lbs/Mft

Construction Element 1

Element construction	5×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown · white · blue · black · green/yellow
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	5×0.34
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · c-track suitable

LÜTZE SUPERFLEX® TRONIC AS PUR, unshielded
For highest requirements



Identification

Type SU TR AS PUR 5×0,34
Part No. [117245.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|--|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free• Halogen free |

Construction

Description	SUPERFLEX® TRONIC AS PUR
Number of conductors/cross-section	5×0.34
Number of conductors	5
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.9 mm
Outer Ø	0.193 inch
Surface	adhesion-free, matte
Weight	3.4 kg/100 m
Weight	22.78 Lbs/Mft
Cu-Index	1.64 kg/100 m
Cu-Index	11 Lbs/Mft

Construction Element 1

Element construction	5×0.34
Conductor construction	42×0.10
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown · white · blue · black · grey
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Jacket characteristics	Flame-retardant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	7.5×D
Minimum bending radius fixed	4×D
Bending cycles	≥5 Mio
Speed	≤4

Technical data sheet

PUR actuator-sensor cables · c-track suitable

Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤60 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	IEC 60332-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1
UV-resistant according to	UL 1581/2556-300h

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (4×0,34)
Part No. [117254.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• High protection against electromagnetic interferences (EMI)• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(4×0.34)
Number of conductors	4
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	5.1 mm
Outer Ø	0.201 inch
Surface	adhesion-free, matte
Weight	4 kg/100 m
Weight	26.8 Lbs/Mft
Cu-Index	2.4 kg/100 m
Cu-Index	16 Lbs/Mft

Construction Element 1

Element construction	(4×,34)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • white • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(4×,34)
Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤105 pF/m
Operating capacitance wire-shield	≤205 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (5×0,34)
Part No. [117255.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• High protection against electromagnetic interferences (EMI)• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(5×0.34)
Number of conductors	5
Cross-section, metric	0.34 mm²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	5.5 mm
Outer Ø	0.217 inch
Surface	adhesion-free, matte
Weight	4.8 kg/100 m
Weight	32.16 Lbs/Mft
Cu-Index	2.8 kg/100 m
Cu-Index	19 Lbs/Mft

Construction Element 1

Element construction	(5×0.34)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • white • blue • black • grey
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(5×0.34)
Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤105 pF/m
Operating capacitance wire-shield	≤205 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (3×0,34)
Part No. [117253.2000](#)

Product version

Datasheet version 00

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Connecting cable for the actuator-sensor technology• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• PUR jacket optimally suited for harsh operating conditions and aggressive coolants and lubricants |
| Properties | <ul style="list-style-type: none">• Very good alternating bending strength• High protection against electromagnetic interferences (EMI)• Good pressure and roll-over resistance• Low adhesion, abrasion-resistant, nick-resistant, tear-resistant• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(3×0.34)
Number of conductors	3
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22
Jacket material	PUR

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket color	black similar to RAL 9005
Outer Ø	4.8 mm
Outer Ø	0.189 inch
Surface	adhesion-free, matte
Weight	3.7 kg/100 m
Weight	24.79 Lbs/Mft
Cu-Index	1.9 kg/100 m
Cu-Index	12.7 Lbs/Mft

Construction Element 1

Element construction	(3×0.34)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 Class 6
Conductor marking	brown • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant petrol-resistant (alcohol-free) kerosene-resistant Silicone-free Halogen free

Technical data

Rated voltage	300 V
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

Test voltage type	AC 1500 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(3×0.34)
Insulation resistance at 20 °C	≥100 MΩ×km
Conductor resistance	≤65.3 Ω/km
Operating capacitance wire-wire	≤105 pF/m
Operating capacitance wire-shield	≤205 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH TSCA
Burning behavior according to	DIN EN 60332-2-2 UL 1581 Horizontal Flame Test CSA FT 1
Oil resistant according to	UL 758 UL 4d100C DIN EN 60811-404
Halogen free according to	EN 60754-1 VDE 0482-754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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Technical data sheet

PUR actuator-sensor cables · C-track suitable

LÜTZE SUPERFLEX® TRONIC AS (C) PUR, shielded
For highest requirements



Identification

Type SU TR AS (C) PUR (3×0,34)
Part No. [117253](#)

Product version

Datasheet version 01

Use/Application/Properties

- | | |
|-------------|---|
| Application | <ul style="list-style-type: none">• Termination cable for actuator sensor applications• For continuous flexing use e.g. in c-tracks or free movement in the automation technology, transport and conveyor technology, machine tool manufacture• Through full PUR jacket and TPE conductor insulation optimally suited, extremely harsh operating conditions, aggressive coolants and lubricants• Compatible with all major drag chain brands• Compliant with NFPA 79, Article 12.9 |
| Properties | <ul style="list-style-type: none">• High protection against electromagnetic interferences (EMI)• Very good alternating bending strength• Good pressure and flexing stability• Abrasion, high wear and tear resistance• Hydrolysis-resistant, microbe-resistant, and rot-resistant• Weathering, ozone and UV resistant (normal lighting conditions)• Industrial and salt water resistant• Excellent coolant and lubricant resistance• Largely resistant to oils, greases, alcohol-free benzines and kerosene• Talc free and silicone free |

Construction

Description	SUPERFLEX® TRONIC AS (C) PUR
Number of conductors/cross-section	(3×0.34)
Number of conductors	3
Cross-section, metric	0.34 mm ²
Cross-section AWG	AWG 22

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Jacket material	PUR
Jacket color	black similar to RAL 9005
Outer Ø	4.8 mm
Outer Ø	0.189 inch
Surface	adhesion-free, matte
Weight	3.2 kg/100 m
Weight	22 Lbs/Mft
Cu-Index	2 kg/100 m
Cu-Index	13 Lbs/Mft

Construction Element 1

Element construction	(3×0.34)
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 6 Superfinely stranded DIN VDE 0295 class 6
Conductor marking	brown • blue • black
Conductor marking standard	EN 60947-5-2
Conductor insulation	Special TPE

Overall construction

Overall stranding	conductors layered construction layer pitch optimised conductors twisted without mechanical stress
Overall wrapping	Non-woven material
Overall shield	Braid shield tinned copper wires optical cover approx. 85 %
Jacket characteristics	low-adhesion abrasion resistant tough tear resistant hydrolysis-resistant microbe resistant rot-resistant Weather resistant ozone-resistant UV resistant (normal lighting conditions) service water-resistant salt water-resistant coolant-resistant lubricant-resistant Oil resistant grease-resistant

Technical data sheet

PUR actuator-sensor cables · C-track suitable

Technical data

Rated voltage	300 V
Test voltage type	AC 3000 V
Temperature according to UL	80 °C
Temperature range moving	-20 °C ... +80 °C
Temperature range fixed	-40 °C ... +80 °C
Minimum bending radius moving	12×D
Minimum bending radius fixed	6×D
Bending cycles	≥5 Mio
Travel distance	≤20 m
Speed	≤4
Acceleration	≤5

Technical Data Element 1

Element construction	(3×0.34)
Insulation resistance at 20 °C	≥100 MΩ×km

Certifications/Standards

Certifications	cURus
UL style	AWM 20549
Conformity	CE RoHS REACH
Burning behavior according to	DIN EN 60332-1-2 IEC 60332-1 UL 1581 VW-1 UL FT1
Oil resistant according to	DIN EN 60811-2-1
Halogen free according to	DIN EN 60754-1 IEC 60754-1

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU
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По вопросам продаж и поддержки обращайтесь:

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