



■ Connectivity Solutions

Servo Drives Cables

Beckhoff

Allen Bradley

Siemens

Bosch Rexroth



■ Connectivity Solutions

Beckhoff



Artikel-Nr.: 196495
OCT hybrid cable for C-tracks
ZK4500-8022-0100



Artikel-Nr.: 196938
OCT hybrid cable for C-tracks
ZK4500-8023-0100



Artikel-Nr.: 170430
OCT hybrid cable for C-tracks,
ZK4500-8025-0100

Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines



OCT hybrid cables for C-tracks

Identification	Type	ZK4500-8022-0100
	Part-No.	196495.1000
System	Beckhoff	
Beckhoff designation*	ZK4500-8022-0100	
Use/Application/Properties		
Application	• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering	
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Halogen free • Silicone and talcum free • RoHS compliant	

17.05.2019 – Subject to technical modification

Part-No. 196495.1000

USA: LUTZE INC.

13330 South Ridge Drive • Charlotte, NC 28273, USA

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United Kingdom: LÜTZE Ltd.

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Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines

Technical data

Number of conductors/cross-section	(4G1.0+(2×0.75)+(2×AWG22))
Number of conductors	8
Cable length	10 m
Rated voltage U_N	1000 V 80 °C
Rated voltage U_0/U	600/1000
Test voltage	3000 V
Insulation resistance	> 500 MΩ
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5×D
Minimum bending radius moving	7.5×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111599
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G1.0+(2×0.75)+(2×AWG22))
Number of conductors	8
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special Polyolefin
Overall stranding	strands braided together
Overall wrapping	Fleece taping
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines

Surface	matt adhesion-free
Jacket color	orange RAL 2003

General

Note	max. cable lengths incl. extension based on Beckhoff standard without motor choke max. 25 m – 35 m with motor choke max. 50 – 100 m depending on servo system
Note	* Beckhoff article designations are registered trademarks of Beckhoff, and are for reference purposes only Special features: No minimum order quantity All intermediate lengths in steps of 0.5 m are available within a short time When ordering, please specify serial number and length key Additional types on request

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SYSTEMATIC TECHNOLOGY

Technical data sheet • According to Beckhoff standard
Single-cable Hybrid SERVO motor lines

Logo



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Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines



OCT hybrid cables for C-tracks

Identification	Type	ZK4500-8023-0100
	Part-No.	196938.1000
System	Beckhoff	
Beckhoff designation*	ZK4500-8023-0100	

Use/Application/Properties

Application	• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Halogen free • Silicone and talcum free • RoHS compliant

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines

Technical data

Number of conductors/cross-section	(4G1.5+(2×0.75)+(2×AWG22))
Number of conductors	8
Cable length	10 m
Rated voltage U_N	1000 V 80 °C
Rated voltage U_0/U	600/1000
Test voltage	3000 V
Insulation resistance	> 500 MΩ
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5×D
Minimum bending radius moving	7.5×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111600
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G1.5+(2×0.75)+(2×AWG22))
Number of conductors	8
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special Polyolefin
Overall stranding	strands braided together
Overall wrapping	Fleece taping
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR

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Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines

Surface	matt adhesion-free
Jacket color	orange RAL 2003

General

Note	max. cable lengths incl. extension based on Beckhoff standard without motor choke max. 25 m – 35 m with motor choke max. 50 – 100 m depending on servo system
Note	* Beckhoff article designations are registered trademarks of Beckhoff, and are for reference purposes only Special features: No minimum order quantity All intermediate lengths in steps of 0.5 m are available within a short time When ordering, please specify serial number and length key Additional types on request

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Technical data sheet • According to Beckhoff standard
Single-cable Hybrid SERVO motor lines

Logo



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Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines



OCT hybrid cables for C-tracks

Identification	Type	ZK4500-8025-0100
	Part-No.	170430.1000
System	Beckhoff	
Beckhoff designation*	ZK4500-8025-zzzz	
Use/Application/Properties		
Application	• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering	
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Halogen free • Silicone and talcum free • RoHS compliant	

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Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines

Technical data

Number of conductors/cross-section	(4×4.0+(2×1.0)+(2×AWG22))
Cable length	10 m
Rated voltage U_N	1000 V 80 °C
Rated voltage U_0/U	600/1000
Test voltage	3000 V
Insulation resistance	> 500 MΩ
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5×D
Minimum bending radius moving	7.5×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4×4.0+(2×1.0)+(2×AWG22))
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded black, white with foil tape and braided shield
Overall stranding	strands braided together
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	orange RAL 2003

General

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Beckhoff standard

Single-cable Hybrid SERVO motor lines

Note	max. cable lengths incl. extension based on Beckhoff standard without motor choke max. 25 m – 35 m with motor choke max. 50 – 100 m depending on servo system
Note	* Beckhoff article designations are registered trademarks of Beckhoff, and are for reference purposes only Special features: No minimum order quantity All intermediate lengths in steps of 0.5 m are available within a short time When ordering, please specify serial number and length key Additional types on request

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SYSTEMATIC TECHNOLOGY

Technical data sheet • According to Beckhoff standard
Single-cable Hybrid SERVO motor lines

Logo



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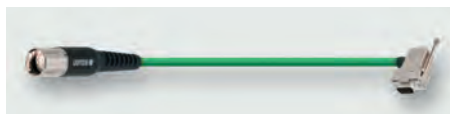
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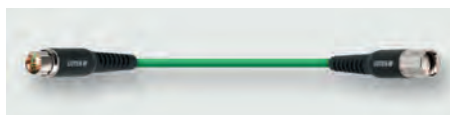
■ Connectivity Solutions

Allen Bradley



Artikel-Nr.: 193350

Feedback cable assembly for C-tracks
2090-CFBM7DD-CEAF10



Artikel-Nr.: 193979

Feedback cable assembly for C-tracks
2090-CFBM7E7-CEAF10



Artikel-Nr.: 193360

Servomotor cable for C-tracks
2090-CPBM7E7-14AF10



Artikel-Nr.: 193968

OCT cable for C-tracks
2090-CSBM1DE-10AF10

Artikel-Nr.: 193373

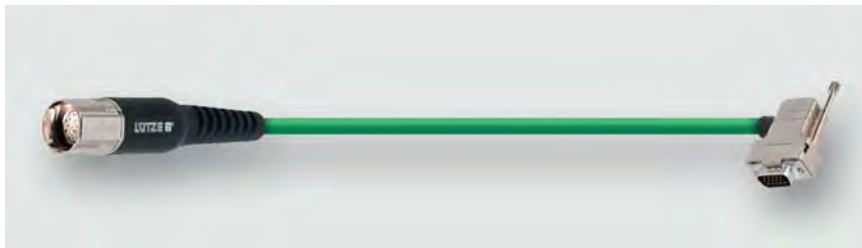
Single cable assembly for C-tracks
2090-CSBM1E1-18AF10



Artikel-Nr.: 193311

Servomotor cable for C-tracks
2090-CPWM7DF-08AF10

Technical data sheet · According to Allen-Bradley 2090 standard



Signal Cable Assemblies for C-tracks

Identification	Type	2090-CFBM7DD-CEAF10
	Part-No.	193350.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CFBM7DD-CEAF10	

Use/Application/Properties

Application	• Servo feedback cables for Allen Bradley drives • Due to optimized cable construction optimally suited for continuous flexing applications in C-tracks • Very good resistance against aggressive coolants and lubricants • Especially for industrial environments in machines and plants
Properties	• High active and passive interference resistance (EMC) • Silicone free • RoHS compliant

Technical data

Number of conductors/cross-section	(5×2×AWG22)
Number of conductors	10
Cable length	10 m
Rated voltage	1000 V 80 °C
Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D

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Part-No. 193350.1000

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard

Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cULus UL AWM 21223
Cable used	111488
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(5×2×AWG22)
Number of conductors	10
Conductor	CU-wire bare
Conductor category	Superfinely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall stranding	conductors layered construction
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

Note	* Allen-Bradley article designations are registered trademarks of Rockwell Allen Bradley, and are for reference purposes only
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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SYSTEMATIC TECHNOLOGY

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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Logo



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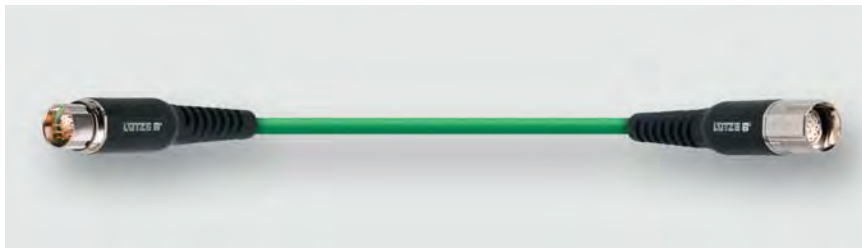
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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard



Signal Cable Assemblies for C-tracks

Identification	Type	2090-CFBM7E7-CEAF10
	Part-No.	193979.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CFBM7E7-CEAF10	
Use/Application/Properties		
Application	• Servo feedback cables for Allen Bradley drives • Due to optimized cable construction optimally suited for continuous flexing applications in C-tracks • Very good resistance against aggressive coolants and lubricants • Especially for industrial environments in machines and plants	
Properties	• High active and passive interference resistance (EMC) • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(5×2×AWG22)	
Number of conductors	10	
Cable length	10 m	
Rated voltage	1000 V 80 °C	
Insulation resistance at 20 °C	≥ 200 MΩ×km	
Temperature range fixed	-40 °C ... +80 °C	
Temperature range moving	-25 °C ... +80 °C	
Minimum bending radius fixed	6×D	

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Technical data sheet · According to Allen-Bradley 2090 standard

Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cULus UL AWM 21223
Cable used	111488
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(5×2×AWG22)
Number of conductors	10
Conductor	CU-wire bare
Conductor category	Superfinely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall stranding	conductors layered construction
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

Note	* Allen-Bradley article designations are registered trademarks of Rockwell Allen Bradley, and are for reference purposes only
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Ordering instructions:

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4 digits after the dot: length code in cm

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SYSTEMATIC TECHNOLOGY

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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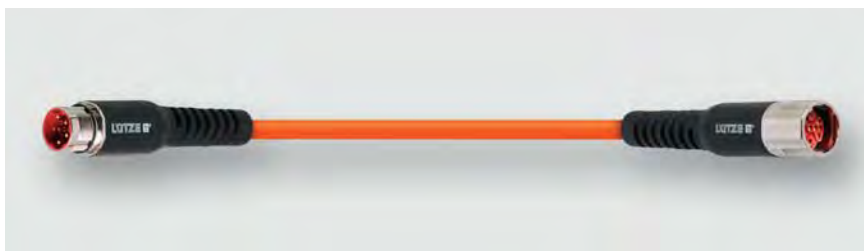
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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard



Servomotor Cable Assemblies
for C-tracks

Identification	Type	2090-CPBM7E7-14AF10
	Part-No.	193360.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CPBM7E7-14AF10	
Use/Application/Properties		
Application	• Servo cables for Allen Bradley drives • Due to optimized cable construction optimally suited for continuous flexing applications in C-tracks • Very good resistance against aggressive coolants and lubricants • Especially for industrial environments in machines and plants	
Properties	• High active and passive interference resistance (EMC) • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(4G2.5+(2×1.5))	
Number of conductors	6	
Cable length	10 m	
Rated voltage	1000 V 80 °C	
Rated voltage U ₀ /U	600/1000	
Test voltage	4000 V	
Insulation resistance at 20 °C	≥ 500 MΩ×km	
Temperature range fixed	-40 °C ... +80 °C	

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Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	10×D
Burning behavior according to	IEC 60332-1 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111421
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G2.5+(2×1.5))
Number of conductors	6
Conductor	CU-wire bare
Conductor category	Superfinely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded (bw, wb) or numbered (5/6/7/8) with foil tape and braided shield
Conductor insulation	Special TPE
Overall stranding	conductors twisted without mechanical stress
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
Jacket color	orange RAL 2003

General

Note	* Allen-Bradley article designations are registered trademarks of Rockwell Allen Bradley, and are for reference purposes only
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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Technical data sheet · According to Allen-Bradley 2090 standard



Single Cable Assemblies for C-tracks

Identification	Type	2090-CSBM1DE-10AFxx
	Part-No.	193968.1000
System Allen Bradley designation*	Allen Bradley 2090-CSBM1DE-10AF10	
Use/Application/Properties		
Application	• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering	
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Halogen free • Silicone and talcum free • RoHS compliant	

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Technical data sheet · According to Allen-Bradley 2090 standard

Technical data

Number of conductors/cross-section	(4G6+(2×1.0)+(2×AWG22))
Number of conductors	8
Cable length	10 m
Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000
Test voltage	3000 V
Insulation resistance at 20 °C	≥ 500 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5×D
Minimum bending radius moving	7.5×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111603
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G6+(2×1.0)+(2×AWG22))
Number of conductors	8
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special TPE
Overall stranding	strands braided together
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	orange RAL 2003

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard

General

Note

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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard

Single Cable Assemblies for C-tracks

Identification	Type	2090-CSBM1E1-18AF10
	Part-No.	193373.1000
System Allen Bradley designation*	Allen Bradley 2090-CSBM1E1-18AF10	
Use/Application/Properties		
Application	• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to special PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering	
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Halogen free • Silicone and talcum free • RoHS compliant	

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard

Technical data

Number of conductors/cross-section	(4G1.0+(2×0.75)+(2×AWG22))
Number of conductors	8
Cable length	10 m
Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000
Test voltage	3000 V
Insulation resistance at 20 °C	≥ 500 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5×D
Minimum bending radius moving	7.5×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111603
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G1.0+(2×0.75)+(2×AWG22))
Number of conductors	8
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded black, white with foil tape and braided shield
Conductor insulation	Special TPE
Overall stranding	strands braided together
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	orange RAL 2003

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Allen-Bradley 2090 standard

General

Note

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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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Technical data sheet · According to Allen-Bradley 2090 standard



Servomotor Cable Assemblies
for C-tracks

Identification	Type	2090-CPWM7DF-08AF10
	Part-No.	193311.1000
System	Allen Bradley	
Allen Bradley designation*	2090-CPWM7DF-08AF10	
Use/Application/Properties		
Application	• Servo cables for Allen Bradley drives • Due to optimized cable construction optimally suited for continuous flexing applications in C-tracks • Very good resistance against aggressive coolants and lubricants • Especially for industrial environments in machines and plants	
Properties	• High active and passive interference resistance (EMC) • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(4G10)	
Number of conductors	4	
Cable length	10 m	
Rated voltage	1000 V 80 °C	
Rated voltage U ₀ /U	600/1000	
Test voltage	4000 V	
Insulation resistance at 20 °C	≥ 500 MΩ×km	
Temperature range fixed	-40 °C ... +80 °C	

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Technical data sheet · According to Allen-Bradley 2090 standard

Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	10×D
Burning behavior according to	IEC 60332-1 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus UL AWM 21223
Cable used	111464
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G10)
Number of conductors	4
Conductor	CU-wire bare
Conductor category	Superfinely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
Control pair	colour-coded (bw, wb) or numbered (5/6/7/8) with foil tape and braided shield
Conductor insulation	Special TPE
Overall stranding	conductors twisted without mechanical stress
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
Jacket color	orange RAL 2003

General

Note	* Allen-Bradley article designations are registered trademarks of Rockwell Allen Bradley, and are for reference purposes only
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Ordering instructions:

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Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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■ Connectivity Solutions

Siemens



Artikel-Nr.: 198494

Feedback cable assembly for C-tracks
6FX8002-2DC46-1BA0



Artikel-Nr.: 198496

Feedback DRIVE CLIQ for C-tracks
6FX8002-2DC30-1BA0



Artikel-Nr.: 198476

Feedback DRIVE CLIQ for C-tracks
6FX8002-2DC40-1BA0



Artikel-Nr.: 198478

Feedback DRIVE CLIQ for C-tracks
6FX8002-2DC42-1BA0



Artikel-Nr.: 198110

Feedback cable assembly for C-tracks
6FX8002-2AD00-1BA0



Artikel-Nr.: 198536

OCT hybrid cable for C-tracks
6FX8002-8QN08-1BA0

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ



Signal cables for C-tracks

Identification	Type	6FX8002-2DC46-1BA0
	Part-No.	198494.1000
System	Siemens	
SIEMENS designation*	6FX8002-2DC46-1BA0	
Use/Application/Properties		
Application	• Signal cable for SIEMENS SERVO drives • As a result of the special PUR jacket and the TPE conductor insulation, best suited for drag chains, extremely rough operating conditions, aggressive coolants and lubricants.	
Properties	• Especially for industrial environments, machines and plants • Very good alternating bending strength • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to use and salt water • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)	
Cable length	10 m	
Rated voltage	30 V 80 °C	
Test voltage	500 V	

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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL VW-1 UL FT1
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

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Ordering instructions:

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6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

Comments

Notes:

- The extension can also be used for **SPEED-CONNECT** plug connection, for this the O-ring must be removed on the outer thread. This does not affect the tightness of the plug connection.

21.03.2018 – Subject to technical modification

Part-No. 198494.1000

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SYSTEMATIC TECHNOLOGY

Technical data sheet • According to SIEMENS-6FX8002 standard
Base cable DRIVE-CLIQ

Logo



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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ



Signal cables for C-tracks

Identification	Type	6FX8002-2DC30-1BA0
	Part-No.	198496.1000
System	Siemens	
SIEMENS designation*	6FX8002-2DC30-1BA0	
Use/Application/Properties		
Application	• Signal cable for SIEMENS SERVO drives • As a result of the special PUR jacket and the TPE conductor insulation, best suited for drag chains, extremely rough operating conditions, aggressive coolants and lubricants.	
Properties	• Especially for industrial environments, machines and plants • Very good alternating bending strength • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to use and salt water • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)	
Cable length	10 m	
Rated voltage	30 V 80 °C	
Test voltage	500 V	

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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL VW-1 UL FT1
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

Note	* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

Comments

Notes:

- The extension can also be used for **SPEED-CONNECT** plug connection, for this the O-ring must be removed on the outer thread. This does not affect the tightness of the plug connection.

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SYSTEMATIC TECHNOLOGY

Technical data sheet • According to SIEMENS-6FX8002 standard
Base cable DRIVE-CLIQ

Logo



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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ



Signal cables for C-tracks

Identification	Type	6FX8002-2DC40-1BA0
	Part-No.	198476.1000
System	Siemens	
SIEMENS designation*	6FX8002-2DC40-1BA0	
Use/Application/Properties		
Application	• Signal cable for SIEMENS SERVO drives • As a result of the special PUR jacket and the TPE conductor insulation, best suited for drag chains, extremely rough operating conditions, aggressive coolants and lubricants.	
Properties	• Especially for industrial environments, machines and plants • Very good alternating bending strength • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to use and salt water • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)	
Cable length	10 m	
Rated voltage	30 V 80 °C	
Test voltage	500 V	

20.03.2018 – Subject to technical modification

Part-No. 198476.1000

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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL VW-1 UL FT1
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

Note	* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only
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Ordering instructions:

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6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

Comments

Notes:

- The extension can also be used for **SPEED-CONNECT** plug connection, for this the O-ring must be removed on the outer thread. This does not affect the tightness of the plug connection.

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SYSTEMATIC TECHNOLOGY

Technical data sheet • According to SIEMENS-6FX8002 standard
Base cable DRIVE-CLIQ

Logo



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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ



Signal cables for C-tracks

Identification	Type	6FX8002-2DC42-1BA0
	Part-No.	198478.1000
System	Siemens	
SIEMENS designation*	6FX8002-2DC42-1BA0	
Use/Application/Properties		
Application	• Signal cable for SIEMENS SERVO drives • As a result of the special PUR jacket and the TPE conductor insulation, best suited for drag chains, extremely rough operating conditions, aggressive coolants and lubricants.	
Properties	• Especially for industrial environments, machines and plants • Very good alternating bending strength • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weathering, ozone and UV resistant (normal lighting conditions) • Good resistance to use and salt water • Largely resistant to oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant	
Technical data		
Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)	
Cable length	10 m	
Rated voltage	30 V 80 °C	
Test voltage	500 V	

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Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL VW-1 UL FT1
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 6
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	Special PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

Note	* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS-6FX8002 standard

Base cable DRIVE-CLIQ

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

Comments

Notes:

- The extension can also be used for **SPEED-CONNECT** plug connection, for this the O-ring must be removed on the outer thread. This does not affect the tightness of the plug connection.

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Technical data sheet • According to SIEMENS-6FX8002 standard
Base cable DRIVE-CLIQ

Logo



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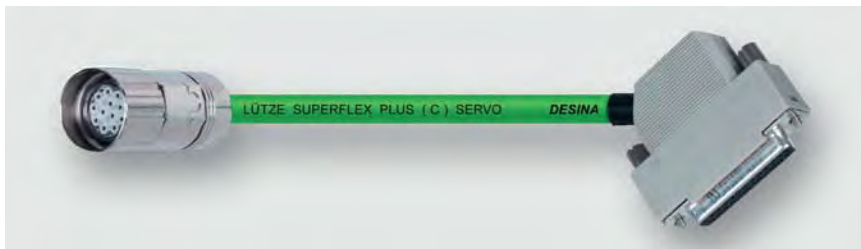
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Technical data sheet · Acc. to SIEMENS-6FX8002 standard

Base cable



Signal cable assemblies for C-tracks

Identification	Type	6FX8002-2AD00-1BA0
	Part-No.	198110.1000
System	Siemens	
SIEMENS designation*	6FX8002-2AD00-1BA0	
Use/Application/Properties		
Application	• Resolver cable • Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants	
Properties	• Silicone free • RoHS-compliant	
Technical data		
Number of conductors/cross-section	(2×0.5+3×(2×0.14)+4×0.14)	
Number of conductors	12	
Cable length	10 m	
Rated voltage	30 V 80 °C	
Rated voltage U _N	300 V	
Test voltage	500 V	
Insulation resistance at 20 °C	≥ 2000 MΩ×km	
Temperature range fixed	-40 °C ... +80 °C	
Temperature range moving	-25 °C ... +80 °C	
Minimum bending radius fixed	6×D	

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Part-No. 198110.1000

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Technical data sheet · Acc. to SIEMENS-6FX8002 standard

Base cable

Minimum bending radius moving	12×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus
Cable used	111458
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(2×0.5+3×(2×0.14)+4×0.14)
Number of conductors	12
Conductor	CU-wire bare
Conductor category	Finely stranded DIN VDE 0295 IEC 60228, Class 5
Conductor marking	Colour coded
Conductor insulation	Special TPE
Overall stranding	conductors twisted without mechanical stress
Overall wrapping	Non-woven material over the cable core
Overall shield	Braid shield Tinned copper wires optical cover approx. 85%
Jacket material	PUR
Surface	matt adhesion-free
Jacket color	green RAL 6018

General

Note	* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only
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Ordering instructions:

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6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

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SYSTEMATIC TECHNOLOGY

Technical data sheet · Acc. to SIEMENS-6FX8002 standard

Base cable

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

Logo



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Technical data sheet · According to SIEMENS standard

Single-cable Hybrid SERVO motor lines



OCT Hybridleitungen für Schleppketten

Identification	Type	6FX8002-8QN08-1BA0
	Part-No.	198536.1000
System	Siemens	
SIEMENS designation*	6FX8002-8QN08-1BA0	
Use/Application/Properties		
Application	• Combined power supply cable with motor supply, brake and digital feedback especially for SERVO drives in machine and plant construction, transport and conveyor technology • Due to Full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering	
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant	

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Part-No. 198536.1000

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to SIEMENS standard

Single-cable Hybrid SERVO motor lines

Technical data

Number of conductors/cross-section	(4GAWG19+(2×AWG21)+(4×AWG26))
Cable length	10 m
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4GAWG19+(2×AWG21)+(4×AWG26))
------------------------------------	-------------------------------

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU Special features: No minimum order quantity All intermediate lengths in steps of 0.5 m are available within a short time When ordering, please specify serial number and length key Additional types on request
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SYSTEMATIC TECHNOLOGY

Technical data sheet • According to SIEMENS standard
Single-cable Hybrid SERVO motor lines

Logo



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SYSTEMATIC TECHNOLOGY



■ Connectivity Solutions

Bosch Rexroth



Artikel-Nr.: 193146

Feedback cable for C-tracks
IKS4038/010.0

Artikel-Nr.: 193135

OCT hybrid cable for C-tracks
RH2-521DBB-NN-010.0



Artikel-Nr.: 193131

OCT hybrid cable for C-tracks
RH2-021DBB-NN-010.0

Artikel-Nr.: 193079

Servomotor cables for C-tracks
IKG4621/010.0

Technical data sheet · According to Bosch Rexroth IKS standard



Signal cables for C-tracks

Identification	Type	IKS 4038/10,0M
	Part-No.	193146.1000
System	Bosch Rexroth	
BOSCH REXROTH designation*	IKS4038/010.0	
Use/Application/Properties		
Application	• Signal cables • Due to full PUR jacket and TPE conductor insulation optimally suited for c-track, extremely rough operating conditions, aggressive coolants and lubricants	
Properties	• Silicone free • RoHS-compliant	
Technical data		
Number of conductors/cross-section	(4×1.0 + 4×2×0.14 + (4×0.14))	
Cable length	10 m	
Rated voltage	300 V 80 °C	
Rated voltage U ₀ /U	600/1000	
Rated voltage U _N	300 V	
Insulation resistance at 20 °C	≥ 200 MΩ×km	
Temperature range fixed	-40 °C ... +80 °C	
Temperature range moving	-25 °C ... +80 °C	
Minimum bending radius fixed	6×D	
Minimum bending radius moving	12×D	

20.03.2018 – Subject to technical modification

Part-No. 193146.1000

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Technical data sheet · According to Bosch Rexroth IKS standard

Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4×1.0 + 4×2×0.14 + (4×0.14))
Conductor insulation	TPE
Jacket material	PUR
Jacket color	orange RAL 2003

General

Note	* Bosch Rexroth article designations are registered trademarks of Bosch Rexroth, and are for reference purposes only
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

20.03.2018 – Subject to technical modification

Part-No. 193146.1000

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SYSTEMATIC TECHNOLOGY

Logo



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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to BOSCH REXROTH standard

Single-cable Hybrid SERVO motor lines

OCT Hybridleitungen für Schleppketten

Identification	Type	RH2-521DBB-NN-010,0
	Part-No.	193135.1000
BOSCH REXROTH designation*	RH2-521DBB-NN-010,0	

Use/Application/Properties

Application	• For Indramat* system (and similar) • Connection cable motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology • Due to Full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants
Properties	• Especially for industrial environments in mechanical and system engineering • High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant

Technical data

03.06.2019 – Subject to technical modification

Part-No. 193135.1000

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to BOSCH REXROTH standard

Single-cable Hybrid SERVO motor lines

Number of conductors/cross-section	(4G1,5+(2×0,75)+(4×AWG24))
Cable length	10 m
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G1,5+(2×0,75)+(4×AWG24))
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General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU Special features: No minimum order quantity All intermediate lengths in steps of 0.5 m are available within a short time When ordering, please specify serial number and length key Additional types on request
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Technical data sheet • According to BOSCH REXROTH standard
Single-cable Hybrid SERVO motor lines

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to BOSCH REXROTH standard

Single-cable Hybrid SERVO motor lines



OCT Hybridleitungen für Schleppketten

Identification	Type	RH2-021DBB-NN-010,0
	Part-No.	193131.1000
BOSCH REXROTH designation*	RH2-021DBB-NN-010,0	
Use/Application/Properties		
Application	• For Indramat* system (and similar) • Connection cable motor/brake especially for frequency converters and SERVO drives in machine and plant construction, transport and conveyor technology • Due to Full PUR jacket and TPE / HGI conductor insulation optimally suited for c-tracks, extremely rough operating conditions and aggressive coolants and lubricants • Especially for industrial environments in mechanical and system engineering	
Properties	• High active and passive interference resistance (EMC) • Braided shield optimised for continuous flexible use • Very good alternating bending strength • Low adhesion, abrasion-resistant, nick-resistant, tear-propagation-resistant • Hydrolysis-resistant, microbe-resistant, and rot-resistant • Weatherproof, ozone and UV resistant (normal lighting conditions) • Good ruggedness and salt water resistance • Excellent coolant and lubricant resistance • Resistant to most oils, greases, alcohol-free benzines and kerosene • Silicone free • RoHS compliant	
Technical data		

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Technical data sheet · According to BOSCH REXROTH standard

Single-cable Hybrid SERVO motor lines

Number of conductors/cross-section	(4G1,5+(2×0,75)+(4×AWG24))
Cable length	10 m
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G1,5+(2×0,75)+(4×AWG24))
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General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU Special features: No minimum order quantity All intermediate lengths in steps of 0.5 m are available within a short time When ordering, please specify serial number and length key Additional types on request
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Technical data sheet • According to BOSCH REXROTH standard
Single-cable Hybrid SERVO motor lines

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Technical data sheet · According to Bosch Rexroth IKG standard

Servomotor cables for C-tracks

Identification	Type	IKG 4621/10,0M
	Part-No.	193079.1000
System	Bosch Rexroth	
BOSCH REXROTH designation*	IKG4621/010.0	
Use/Application/Properties		
Application	• Motor cable for Bosch Rexroth SERVO drives • Full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants	
Properties	• Silicone free • RoHS-compliant	
Technical data		
Number of conductors/cross-section	(4G35+2×(2×1.5))	
Number of conductors	8	
Cable length	10 m	
Rated voltage	1000 V 80 °C	
Rated voltage U ₀ /U	600/1000	
Insulation resistance at 20 °C	≥ 500 MΩ×km	
Temperature range fixed	-40 °C ... +80 °C	
Temperature range moving	-25 °C ... +80 °C	
Minimum bending radius fixed	6×D	
Minimum bending radius moving	10×D	

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SYSTEMATIC TECHNOLOGY

Technical data sheet · According to Bosch Rexroth IKG standard

Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

Number of conductors/cross-section	(4G35+2×(2×1.5))
Number of conductors	8
Conductor insulation	TPE
Jacket material	PUR
Jacket color	orange RAL 2003

General

Note	* Bosch Rexroth article designations are registered trademarks of Bosch Rexroth, and are for reference purposes only
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Ordering instructions:

The LÜTZE Art. no. consists of two blocks that are separated by a dot:

6 digits before the dot: technical design

4 digits after the dot: length code in cm

Ex.: 198360.0500 corresponds to a length of 5.0 m

Special features:

- No minimum order quantity
- All intermediate lengths in steps of 0.5 m are available within a short time
- When ordering, please specify serial number and length key
- Additional types on request

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