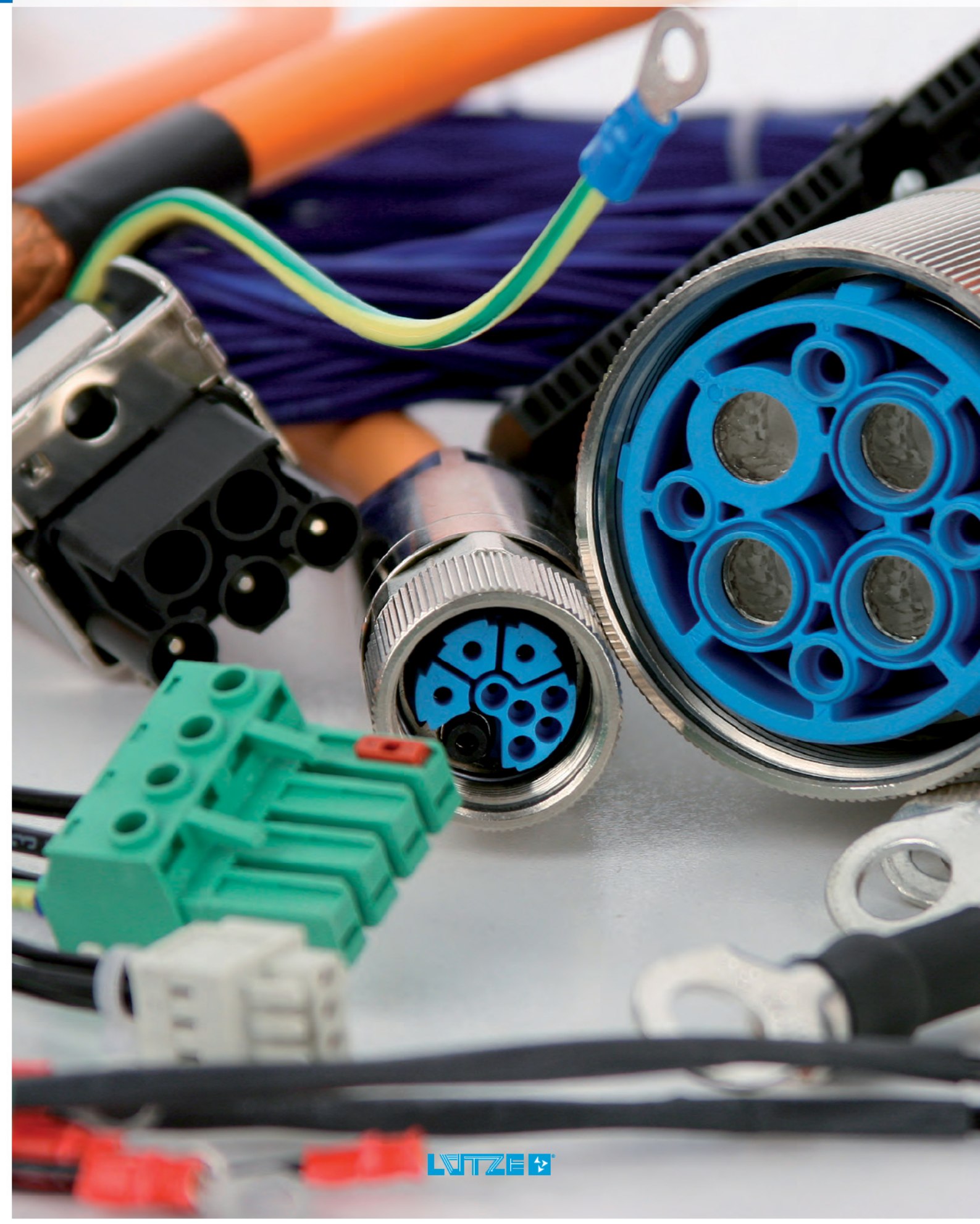


1. Cable assemblies



1. Cable assemblies



Allen-Bradley® according to 2090 Standard for stationary applications wiring

Servo motor cable	1.9
Feedback cable	1.10

for c-tracks

Hybrid cables OTC	1.11
Servo motor cable	1.12
Feedback cable	1.13



Bosch Rexroth® Standard

for c-tracks

Servo motor cable according to IKG Standard	1.14
Servo motor cable according to RKL Standard	1.15 - 1.16
Feedback cable according to IKS Standard	1.17



SIEMENS® according to 6FX5002 for fixed wiring

Servo cable assemblies without/with brake, Base cable	1.18
Servo cable assemblies without brake, Base cable	1.19 - 1.20
Servo cable assemblies with brake, Base cable	1.21 - 1.22
Servo cable assemblies without brake, Extension	1.23
Servo cable assemblies with brake, Extension	1.24
Feedback cable DRIVE-CLIQ®, Base cable	1.25 - 1.27

SIEMENS® according to 6FX8002 for c-tracks

Servo cable assemblies without/with brake, Base cable	1.28
Servo cable assemblies without brake, Base cable	1.29 - 1.30
Servo cable assemblies with brake, Base cable	1.31 - 1.32
Servo cable assemblies without brake, Extension	1.33
Servo cable assemblies with brake, Extension	1.34
Feedback cable DRIVE-CLIQ®, Base cable	1.35 - 1.37
Feedback cable, Base cable or Extension	1.38

1. Cable assemblies

Pre-assembled cables for different applications



Siemens Simatic SPS / S7 connector

1.39

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

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



Customer-specific solutions on request

Our project planning sheet for cable assemblies can be found in the download area under www.luetze.de

Always the right connection: LÜTZE cable assemblies



Helical cables - Manufactured to meet your specifications, our helical cables are suitable for high mechanical loads such as high-performance machines, lifting



platforms and lots of other moving applications. Also highly suited for use outside for millions of load changes without failure!



Moduled closed

LÜTZE SAFECON plastic moulded round plug connectors M23 for industrial use offer the user an economical and, at the same time, safe solution for the electrical connection of machines and systems.

The LÜTZE program contains various termination numbers and cable lengths. This means terminations of 6 - 28 and transfer outputs of up to 30 A at 630 V, and

therefore robust, safe cabling is available for numerous signal and power applications.

The integrated protection against kinking and the inner metal housing with 360° EMC shielding ensure the cable assemblies meet the requirements for the industrial sector - **they really are sealed shut!**

Other benefits:

- Tamper-proof: unauthorised opening of the connector housing and incorrect connection in the connector are therefore excluded
- 100 % compatible with SIEMENS®, BOSCH REXROTH®, ALLEN BRADLEY®
- Manufacture from a batch size of 1
- Available at short notice
- Protection class IP66/67

Customer-specific solutions

Each installation is different. Therefore, make use of our cable assembly expertise; experts will plan your project and document your application making use of a

product range containing more than 1700 cables, connectors, strain relief elements and protective hoses.



Construction questionnaire for LÜTZE SAFECON

Company: _____
 Contact person: _____
 Department: _____
 Street address: _____
 Postal code, city/town: _____
 Telephone: _____
 Fax: _____



Germany
 Friedrich Lütze GmbH
 Tel.: +49 7151 6053-0
 Fax: +49 7151 6053-277(-288)
 info@luetze.de

Great Britain
 LUTZE Ltd.
 Tel.: +44 1827 31333-0
 Fax: +44 1827 31333-2
 sales.gb@luetze.co.uk

Please tell us your requirements by filling in this construction questionnaire:

Batch size: _____ pieces

Page 1



Page 2

Page 1 / View X

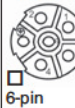
- clockwise
 counterclockwise

Signal



Pin layouts (more on request)

Power



Options

- Connector – inner thread M23 x 1
 Connector – speedtec quick release fastener
 Coupling – outer thread M23 x 1
 Coupling – speedtec quick release fastener
 Socket contacts pin contacts
 Signal coding: 0° 80° 120° 20°

Cable

- Assembly length L: _____ mm
 LÜTZE cable part number: _____
 Description / Requirement / Purpose / Specification:

Page 2 / View Y

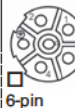
- clockwise
 counterclockwise

Signal



Pin layouts (more on request)

Power



Options

- Connector – inner thread M23 x 1
 Connector – speedtec quick release fastener
 Coupling – outer thread M23 x 1
 Coupling – speedtec quick release fastener
 Socket contacts pin contacts
 Signal coding: 0° 80° 120° 20°
 Other connectors Type/Version: _____
 Manufacturer: _____
 Manufacturer part number: _____

- Manipulation cable end (strip, remove insulation, change screen, shrink tubing, copper tape etc.) –

Description: _____

- Cable end cut smoothly

Labelling

- Wrap-round label printing text distance to connector: _____
 Cable printing text distance to connector: _____
 Other labelling – Description: _____
 No labelling

Note: Please indicate pin assignment!

PUR Coil cables unshielded

LÜTZE PURFLEX



Part-No.	Number of conductors/ cross-section	Spiral diameter mm	Spiral length mm	Max. extension length mm	Connection ends L1/L2 mm
PURFLEX					
190003	A* 3G1.5	30	500	2250	250/250
190007	A* 3G1.5	30	1000	4000	250/250
190012	A* 3G1.5	30	1500	5750	250/250
190016	A* 3G1.5	30	2000	7500	250/250
190004	A* 4G1.5	33	500	2250	250/250
190008	A* 4G1.5	33	1000	4000	250/250
190013	A* 4G1.5	33	1500	5750	250/250
190017	A* 4G1.5	33	2000	7500	250/250
190005	A* 5G1.5	40	500	2250	250/250
190009	A* 5G1.5	40	1000	4000	250/250
190014	A* 5G1.5	40	1500	5750	250/250
190018	A* 5G1.5	40	2000	7500	250/250
190560	A* 7G1.5	46	2000	7000	600/600
190006	A* 12G1.5	70	500	2250	250/250
190010	A* 12G1.5	70	1000	4000	250/250
190015	A* 12G1.5	70	1500	5750	250/250
190019	A* 12G1.5	70	2000	0.0	250/250

Application

- Machine and device construction, transport and conveyor technology
- Especially for industrial environments, machines and plants
- Lifting platforms, test benches and measuring systems as well as door drives

Properties

- Very good restoring force
- Low adhesion, abrasion-proof, nick-resistant, tear-propagation-resistant
- Hydrolisis-resistant, microbe-resistant, and rot-resistant
- Weatherproof, ozone and UV resistant (normal lighting conditions)
- Good industrial- and salt water resistance
- Resistant to most oils, greases, alcohol-free benzines and kerosene
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Rated voltage U_0/U	300/500 V
Insulation resistance at 20 °C	$\geq 20 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-20 °C ... +80 °C
Design	Cable outlet radial
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PVC
- Conductor marking: Colour coded
- 2-wire: brown, blue
- 3-wire: green/yellow, brown, blue
- 4-wire: green/yellow, brown, black, grey
- 5-wire: green/yellow, brown, blue, black, grey
- starting with 6 conductors black with white number print according to DIN EN 50334
- Ground conductor green/yellow according to DIN EN 50334 in the top layer
- Jacket material: PUR
- Surface: matt, adhesion-free
- Jacket color: up to 7-wires orange RAL 2003 starting with 12-wires black RAL 9005

CE These products are in conformity with the EU Low Voltage Directive 2006/95/EC

Construction questionnaire for Coil cables

Company: _____
 Contact person: _____
 Department: _____
 Street address: _____
 Postal code, city/town: _____
 Telephone: _____
 Fax: _____



Germany
 Friedrich Lütze GmbH
 Tel.: +49 7151 6053-0
 Fax: +49 7151 6053-277(-288)
 info@luetze.de

USA
 LUTZE INC.
 Tel.: +1 704 504-0222
 Fax: +1 704 504-0223
 info@lutze.com

Great Britain
 LUTZE Ltd.
 Tel.: +44 1827 31333-0
 Fax: +44 1827 31333-2
 sales.gb@lutze.co.uk

Please let us know your requirements using this design questionnaire for coil cables:

L: _____ mm L0: _____ mm
 Ø AD: _____ mm Ø WD: _____ mm
 L1: _____ mm L2: _____ mm
 L3: _____ mm L4: _____ mm
 L5: _____ mm L6: _____ mm
 Quantity: _____ pcs.

Purpose

Installation situation: _____

Winding direction: _____

Standard cable art. no.: _____

Jacket insulation material: _____

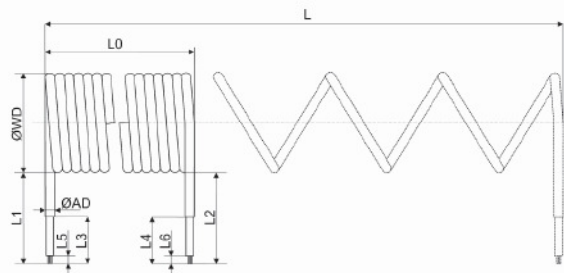
Number of strands: _____

Strand cross-section: _____ mm²

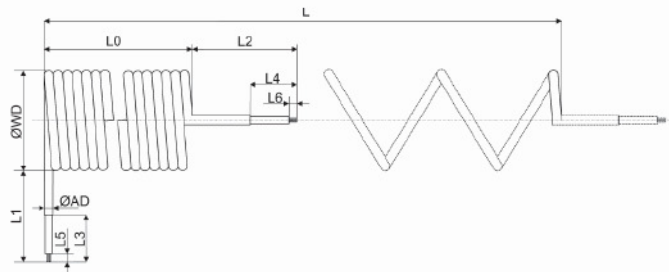
Shielding: yes no

Please fill out this questionnaire and fax it back to us. We will be happy to give you a quotation.

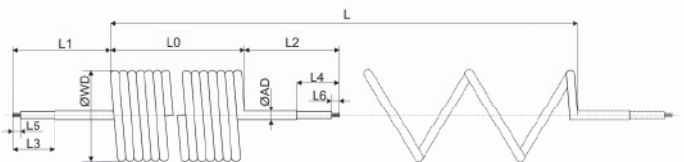
Thank you!



Cable outlets, radial



Cable outlets, radial and axial



Cable outlets, axial

Comments

Servomotor Cable Assemblies for fixed installation

According to Allen-Bradley 2090 standard



Application

- Especially for industrial environments in mechanical and system engineering
- Reinforced insulation with additional relief layer
- Based on NFPA 79 standards
- „TC-ER“ for use in machines and open cable ducts
- UL Type 1000V Flexible Motor Supply Cable for connection to motors
- In dry, moist and wet rooms

Properties

- Wire insulation reinforcing layer protects against premature cable failure due to reduced corona effect and therefore improves reliability and the life span
- Flexible wires with nylon for better resistance to pressure and impacts as per UL 1277
- High flexibility for complex installation distances and small bending radii
- Improved oil resistance due to specifically developed TPE jacket
- UV-resistant
- Silicone free
- RoHS compliant

Technical data

Rated voltage	1000 V Flexible Motor Supply 1000 V WTTC 600 V UL TC 600 V UL MTW 600 V UL AWM 105 °C
Test voltage	4000 V
Insulation resistance at 20 °C	≥ 500 MΩ×km
Temperature range fixed	-40 °C ... +90 °C (105 °C)
Temperature range moving	-5 °C ... +90 °C
Minimum bending radius fixed	6×D
Minimum bending radius moving	15×D
Approvals	UL Flexible Motor Supply Cable UL Type WTTC 1000 V UL Type TC-ER MTW 600 V UL AWM Style 20328 CE RoHS REACH Class 1 Div. 2 per NEC Art. 336, 392, 501 C(UL) TC and CIC FT4 UL 1277 Oil Res I and II
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

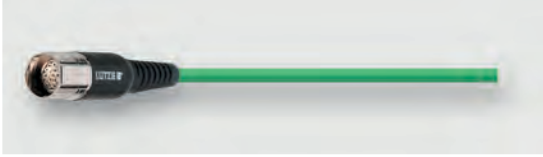
- Conductor: AWG conductor, CU-wire bare
- Conductor insulation: PVC/Nylon
- Conductor marking: brown, black, blue
- Ground conductor green/yellow
- Control pair: colour-coded black, white, with foil tape and braided shield
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: TPE
- Jacket color: orange RAL 2003

Part-No.	Allen Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
Base cable SpeedTec				
193966.1000	A* 2090-CPWM7DF-16AA10	10 m	(4GAWG16)	10.5
193956.1000	A* 2090-CPWM7DF-14AA10	10 m	(4GAWG14)	11.6
193352.1000	A* 2090-CPWM7DF-12AA10	10 m	(4GAWG12)	13.1
193306.1000	A* 2090-CPWM7DF-10AA10	10 m	(4GAWG10)	16.5
193353.1000	A* 2090-CPWM7DF-08AA10	10 m	(4GAWG8)	21.0
193960.1000	A* 2090-CPBM7DF-16AA10	10 m	(4GAWG16+(2×AWG18))	12.1
193990.1000	A* 2090-CPBM7DF-14AA10	10 m	(4GAWG14+(2×AWG18))	12.8
193356.1000	A* 2090-CPBM7DF-12AA10	10 m	(4GAWG12+(2×AWG18))	14.2
193962.1000	A* 2090-CPBM7DF-10AA10	10 m	(4GAWG10+(2×AWG18))	18.1
193357.1000	A* 2090-CPBM7DF-08AA10	10 m	(4GAWG8+(2×AWG18))	22.5
193961.1000	A* 2090-CPBM7DF-06AA10	10 m	(4GAWG6+(2×AWG18))	24.6
193362.1000	A* 2090-CPBM7DF-04AA10	10 m	(4GAWG4+(2×AWG18))	29.5
193369.1000	A* 2090-CPBM7DF-02AA10	10 m	(4GAWG2+(2×AWG18))	34.1
DIN thread				
193984.1000	A* 2090-CPBM4DF-16AA10	10 m	(4GAWG16+(2×AWG18))	12.1
193982.1000	A* 2090-CPBM4DF-14AA10	10 m	(4GAWG14+(2×AWG18))	12.8

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Signal Cable Assemblies for fixed installation

According to Allen-Bradley 2090 standard



Part-No.	Allen Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
Base cable SpeedTec				
193959.1000	A* 2090-CFBM7DF-CEAA10	10	(5x2xAWG22)	9.9
193358.1000	A* 2090-CFBM7DF-CEAA10	10	(5x2xAWG22)	9.9
DIN thread				
193337.1000	A* 2090-XXNFMF-S10	10	(2xAWG16+2xAWG22+ 6x2xAWG26)	13.6

Application

- Feedback cables for Allen Bradley drives
- Conform with NFPA79 for machine tool wiring
- Very suitable for extreme operating conditions and high interference signals
- In dry, damp and wet environment
- Especially for industrial environments in mechanical and system engineering

Properties

- High active and passive interference resistance (EMC)
- Easy installation
- Specially developed TPE jacket for superior oil-resistance according to UL 1581
- Resistant to most mineral and vegetable-based cutting oils
- UV-resistant
- Silicone and talcum-free
- RoHS compliant

Technical data

Rated voltage	300 V UL PLTC-ER 300 V UL CM 600 V UL AWM 90 °C
Test Voltage	1500 V
Temperature range fixed	-40 °C ... +90 °C (105 °C)
Temperature range moving	-5 °C ... +90 °C
Burning behavior according to	UL Vertical-Tray UL VW-1
Oil resistant according to	UL 1581
Oil resistance	4 days in oil at 100 °C 60 days in oil at 75 °C
Approvals	PLTC-ER NEC 725, 760, 800 Class 1 Div. 2 per NEC CE UL cULus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: AWG conductor, CU-wire tin-plated
- Conductor insulation: Special PVC
- Conductor marking: Colour coded
- Overall shield: Aluminium laminate, Foil shield, Braid shield, Tinned copper wires, optical cover approx. 85%, drain wire
- Jacket material: TPE
- Jacket color: green RAL 6018

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

Single Cable Assemblies for C-tracks

According to Allen-Bradley 2090 standard



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

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	3000 V
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	5xD
Minimum bending radius moving	7.5xD
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

Note **max. cable length according to Allen-Bradley specifications**
Base cable for Kinetix 5500 Drives max. 50 m
Base cable for Kinetix 5700 Drives max. 90 m
Extension cable max. 30 m

Product photo The product photos are not to scale and do not represent detailed images of the respective products.

Construction

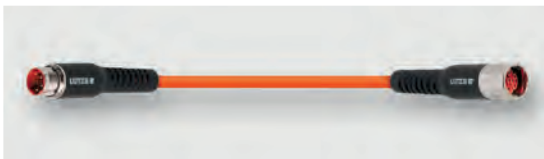
- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special TPE
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
G = with green/yellow ground conductor, * = without ground conductor
- 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

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

Part-No.	Allen Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
Base cable SpeedTec				
193366.1000	A* 2090-CSBM1DF-18AF10	10	(4G1.0+(2x0.75)+(2xAWG22))	11.8
193364.1000	A* 2090-CSBM1DF-14AF10	10	(4G2.5+(2x1.0)+(2xAWG22))	14.0
193371.1000	A* 2090-CSWM1DF-18AF10	10	(4G1.0+(2xAWG22))	11.8
193370.1000	A* 2090-CSWM1DF-14AF10	10	(4G2.5+(2xAWG22))	14.0
193375.1000	A* 2090-CSBM1DF-10AF10	10	(4G6+(2x1.0)+(2xAWG22))	17.8
193376.1000	A* 2090-CSWM1DF-10AF10	10	(4G6+(2xAWG22))	17.8
193300.1000	A* 2090-CSBM1DG-18AF10	10	(4G1.0+(2x0.75)+(2xAWG22))	11.8
193302.1000	A* 2090-CSBM1DG-14AF10	10	(4G2.5+(2x1.0)+(2xAWG22))	14.0
193304.1000	A* 2090-CSBM1DG-10AF10	10	(4G6+(2x1.0)+(2xAWG22))	17.8
193305.1000	A* 2090-CSWM1DG-18AF10	10	(4G1.0+(2x0.75)+(2xAWG22))	11.8
193310.1000	A* 2090-CSWM1DG-14AF10	10	(4G2.5+(2x1.0)+(2xAWG22))	14.0
Base cable with 2198-KITCON-DSL				
193952.1000	A* 2090-CSBM1DE-18AF10	10	(4G1.0+(2x0.75)+(2xAWG22))	11.8
193963.1000	A* 2090-CSBM1DE-14AF10	10	(4G2.5+(2x1.0)+(2xAWG22))	14.0
193379.1000	A* 2090-CSWM1DE-18AF10	10	(4G1.0+(2x0.75)+(2xAWG22))	11.8
193955.1000	A* 2090-CSWM1DE-14AF10	10	(4G2.5+(2x1.0)+(2xAWG22))	14.0
193968.1000	A* 2090-CSBM1DE-10AF10	10	(4G6+(2x1.0)+(2xAWG22))	17.8
193967.1000	A* 2090-CSWM1DE-10AF10	10	(4G6+(2x1.0)+(2xAWG22))	17.8
Extension SpeedTec				
193373.1000	A* 2090-CSBM1E1-18AF10	10	(4G1.0+(2x0.75)+(2xAWG22))	11.8
193374.1000	A* 2090-CSBM1E1-14AF10	10	(4G2.5+(2x1.0)+(2xAWG22))	14.0
193377.1000	A* 2090-CSBM1E1-10AF10	10	(4G6+(2x1.0)+(2xAWG22))	17.8

Servomotor Cable Assemblies for C-tracks

According to Allen-Bradley 2090 standard



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

Rated voltage	1000 V 80 °C
Rated voltage U_p/U	600/1000 V
Test voltage	4000 V
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

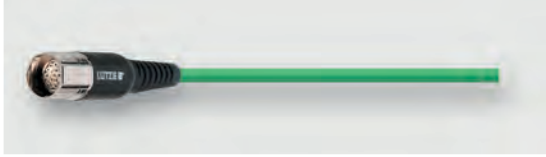
- Conductor: CU-wire bare
- Conductor category: Superfinely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Control pair: colour-coded (bw, wb) or numbered (5/6/7/8), with foil tape and braided shield
- Overall stranding: Conductors twisted without mechanical stress
- Overall wrapping: Non-woven material, over the cable core
- Overall shield:
- Jacket material: PUR
- Surface: matt, adhesion-free
- Jacket color: orange RAL 2003

Part-No.	Allen Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
Base cable SpeedTec				
193309.1000	A* 2090-CPWM7DF-16AF10	10	(4G1.5)	8.6
193307.1000	A* 2090-CPWM7DF-10AF10	10	(4G6.0)	14.0
193989.1000	A* 2090-CPBM7DF-10AF10	10	(4G6.0+(2x1.5))	16.1
193991.1000	A* 2090-CPBM7DF-16AF10	10	(4G1.5+(2x1.5))	11.4
193308.1000	A* 2090-CPWM7DF-14AF10	10	(4G2.5)	10.8
193957.1000	A* 2090-CPBM7DF-14AF10	10	(4G2.5+(2x1.5))	12.9
193311.1000	A* 2090-CPWM7DF-08AF10	10	(4G10)	17.6
193355.1000	A* 2090-CPBM7DF-08AF10	10	(4G10+(2x1.5))	19.5
DIN thread				
193985.1000	A* 2090-CPBM4DF-16AF10	10	(4G1.5+(2x1.5))	12.9
193303.1000	A* 2090-CPWM4DF-16AF10	10	(4G1.5)	8.6
193983.1000	A* 2090-CPBM4DF-14AF10	10	(4G2.5+(2x1.5))	14.2
193301.1000	A* 2090-CPWM4DF-14AF10	10	(4G2.5)	10.8
Extension SpeedTec				
193996.1000	A* 2090-CPBM7E7-16AF10	10	(4G1.5+(2x1.5))	11.4
193994.1000	A* 2090-CPBM7E7-10AF10	10	(4G6.0+(2x1.5))	16.1
193360.1000	A* 2090-CPBM7E7-14AF10	10	(4G2.5+(2x1.5))	12.9
193361.1000	A* 2090-CPBM7E7-08AF10	10	(4G10+(2x1.5))	19.5

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Signal Cable Assemblies for C-tracks

According to Allen-Bradley 2090 standard



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

Rated voltage	1000 V 80 °C
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	12xD
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
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Superfinely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor marking: Colour coded
- Ground conductor green/yellow according to DIN EN 50334
G = with green/yellow ground conductor, x = without ground conductor
- Control pair:
- Overall stranding: Conductors stranded layers
- 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

Part-No.	Allen Bradley designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
Base cable SpeedTec				
193977.1000	A* 2090-CFBM7DF-CEAF10	10	(5x2xAWG22)	9.2
193958.1000	A* 2090-CFBM7DF-CDAF10	10	(2xAWG16+2xAWG22+ 6x2xAWG26)	10.8
193350.1000	A* 2090-CFBM7DD-CEAF10	10	(5x2xAWG22)	9.2
DIN thread				
193973.1000	A* 2090-CFBM4DF-CDAF10	10	(2xAWG16+2xAWG22+ 6x2xAWG26)	10.8
Extension SpeedTec				
193979.1000	A* 2090-CFBM7E7-CEAF10	10	(5x2xAWG22)	9.2
193978.1000	A* 2090-CFBM7E7-CDAF10	10	(2xAWG16+2xAWG22+ 6x2xAWG26)	10.8

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Servomotor cables for C-tracks

According to Bosch Rexroth IKG standard



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

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

- Jacket color: orange RAL 2003

Part-No.	BOSCH REXROTH designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
Base cable				
193028.1000	A* IKG4115/010.0	10	(4G1.5+2x(2x0.75))	12.9
193029.1000	A* IKG4116/010.0	10	(4G2.5+2x(2x1.0))	14.2
193054.1000	A* IKG4117/010.0	10	(4G4+2x(2x1.5))	16.3
193055.1000	A* IKG4118/010.0	10	(4G6+2x(2x0.75))	18.4
193037.1000	A* IKG4175/010.0	10	(4G10+(2x1.0)+(2x1.5))	22.3
193030.1000	A* IKG4136/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193062.1000	A* IKG4176/010.0	10	(4G10+2x(2x1.5))	22.3
193031.1000	A* IKG4140/010.0	10	(4G1.5+2x(2x0.75))	18.4
193060.1000	A* IKG4139/010.0	10	(4G2.5+2x(2x0.75))	22.3
193038.1000	A* IKG4177/010.0	10	(4G4+(2x1.0)+(2x1.5))	12.9
193039.1000	A* IKG4215/010.0	10	(4G6+(2x1.0)+(2x1.5))	14.2
193077.1000	A* IKG4169/010.0	10	(4G10+(2x1.0)+(2x1.5))	16.3
193032.1000	A* IKG4155/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193078.1000	A* IKG4168/010.0	10	(4G10+(2x1.0)+(2x1.5))	22.3
193061.1000	A* IKG4172/010.0	10	(4G16+2x(2x1.5))	26.8
193035.1000	A* IKG4173/010.0	10	(4G25+2x(2x1.5))	29.3
193036.1000	A* IKG4174/010.0	10	(4G35+2x(2x1.5))	32.5
193033.1000	A* IKG4620/010.0	10	(4G25+2x(2x1.5))	29.3
193079.1000	A* IKG4621/010.0	10	(4G35+2x(2x1.5))	32.5

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Servomotor cables for C-tracks

According to Bosch Rexroth RKL standard



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

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
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

- Jacket color: orange RAL 2003

Part-No.	BOSCH REXROTH designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
Base cable				
193262.1000	A* RKL0014/010.0	10	(4G1.0+2x(2x0.75))	12.5
193089.1000	A* RKL0015/010.0	10	(4G1.5+2x(2x0.75))	12.9
193090.1000	A* RKL0016/010.0	10	(4G1.5+2x(2x0.75))	12.9
193091.1000	A* RKL0017/010.0	10	(4G1.5+2x(2x0.75))	12.9
193092.1000	A* RKL0018/010.0	10	(4G2.5+2x(2x1.0))	14.2
193093.1000	A* RKL0019/010.0	10	(4G1.0+2x(2x0.75))	12.5
193095.1000	A* RKL0046/010.0	10	(4G2.5+2x(2x1.0))	14.2
193097.1000	A* RKL0049/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193098.1000	A* RKL0050/010.0	10	(4G1.5+2x(2x0.75))	12.9
193100.1000	A* RKL0052/010.0	10	(4G2.5+2x(2x1.0))	14.2
193101.1000	A* RKL0053/010.0	10	(4G1.0+2x(2x0.75))	12.5
193105.1000	A* RKL0057/010.0	10	(4G2.5+2x(2x1.0))	14.2
193106.1000	A* RKL0058/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193125.1000	A* RKL4300/010.0	10	(4G1.5+2x(2x0.75))	12.9
193107.1000	A* RKL4301/010.0	10	(4G1.5+2x(2x0.75))	12.9
193240.1000	A* RKL4302/010.0	10	(4G1.0+2x(2x0.75))	12.5
193258.1000	A* RKL4303/010.0	10	(4G1.0+2x(2x0.75))	12.5
193241.1000	A* RKL4306/010.0	10	(4G1.5+2x(2x0.75))	12.9
193273.1000	A* RKL4307/010.0	10	(4G1.5+2x(2x0.75))	12.9
193242.1000	A* RKL4308/010.0	10	(4G2.5+2x(2x0.75))	14.2
193243.1000	A* RKL4309/010.0	10	(4G2.5+2x(2x0.75))	14.2
193244.1000	A* RKL4310/010.0	10	(4G2.5+2x(2x0.75))	14.2
193108.1000	A* RKL4313/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193257.1000	A* RKL4314/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193109.1000	A* RKL4315/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193246.1000	A* RKL4317/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193247.1000	A* RKL4318/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193276.1000	A* RKL4345/010.0	10	(4G2.5+2x(2x1.0))	14.2
193119.1000	A* RKL4346/010.0	10	(4G2.5+2x(2x1.0))	14.2
Extension				
193263.1000	A* RKL4311/010.0	10	(4G1.5+2x(2x0.75))	12.9
193278.1000	A* RKL4304/010.0	10	(4G1.5+2x(2x0.75))	12.9
193616.1000	A* RKL4305/010.0	10	(4G1.0+2x(2x0.75))	12.5
193245.1000	A* RKL4312/010.0	10	(4G2.5+2x(2x0.75))	14.2
193110.1000	A* RKL4316/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193279.1000	A* RKL4319/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193120.1000	A* RKL4347/010.0	10	(4G2.5+2x(2x1.0))	14.2

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Servomotor cables for C-tracks

According to Bosch Rexroth RKL standard



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

Rated voltage	1000 V 80 °C
Rated voltage U_p/U	600/1000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

- Jacket color: orange RAL 2003

Part-No.	BOSCH REXROTH designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
Base cable				
193094.1000	A* RKL0045/010.0	10	(4G1.5+2x(2x0.75))	12.9
193099.1000	A* RKL0051/010.0	10	(4G2.5+2x(2x1.0))	14.2
193102.1000	A* RKL4354/010.0	10	(4G1.5+2x(2x0.75))	12.9
193103.1000	A* RKL0055/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193104.1000	A* RKL0056/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193259.1000	A* RKL4320/010.0	10	(4G1.5+2x(2x0.75))	12.9
193252.1000	A* RKL4321/010.0	10	(4G2.5+2x(2x0.75))	14.2
193282.1000	A* RKL4322/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193248.1000	A* RKL4323/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193249.1000	A* RKL4324/010.0	10	(4G10+(2x1.0)+(2x1.5))	22.3
193272.1000	A* RKL4325/010.0	10	(4G1.5+2x(2x0.75))	12.9
193111.1000	A* RKL4326/010.0	10	(4G2.5+2x(2x1.0))	14.2
193112.1000	A* RKL4327/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193250.1000	A* RKL4328/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193251.1000	A* RKL4329/010.0	10	(4G10+(2x1.0)+(2x1.5))	22.3
193253.1000	A* RKL4330/010.0	10	(4G16+2x(2x1.5))	23.0
193254.1000	A* RKL4331/010.0	10	(4G25+2x(2x1.5))	29.3
193113.1000	A* RKL4332/010.0	10	(4G35+2x(2x1.5))	32.5
193114.1000	A* RKL4333/010.0	10	(4G25+2x(2x1.5))	29.3
193115.1000	A* RKL4334/010.0	10	(4G35+2x(2x1.5))	32.5
193260.1000	A* RKL4343/010.0	10	(4G2.5+2x(2x0.75))	14.2
193118.1000	A* RKL4344/010.0	10	(4G16+2x(2x1.5))	26.8
193121.1000	A* RKL4349/010.0	10	(4G16+2x(2x1.5))	26.8
193122.1000	A* RKL4387/010.0	10	(4G35+2x(2x1.5))	32.5
193123.1000	A* RKL4778/010.0	10	(4G35+2x(2x1.5))	32.5
193124.1000	A* RKL4785/010.0	10	(4G25+2x(2x1.5))	29.3
Extension				
193116.1000	A* RKL4335/010.0	10	(4G1.5+2x(2x0.75))	12.9
193004.1000	A* RKL4336/010.0	10	(4G2.5+2x(2x1.0))	14.2
193255.1000	A* RKL4337/010.0	10	(4G4+(2x1.0)+(2x1.5))	16.3
193256.1000	A* RKL4338/010.0	10	(4G6+(2x1.0)+(2x1.5))	18.4
193270.1000	A* RKL4339/010.0	10	(4G10+(2x1.0)+(2x1.5))	22.3
193271.1000	A* RKL4340/010.0	10	(4G16+2x(2x1.5))	26.8
193264.1000	A* RKL4341/010.0	10	(4G25+2x(2x1.5))	29.3
193117.1000	A* RKL4342/010.0	10	(4G35+2x(2x1.5))	32.5

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Signal cables for C-tracks

According to Bosch Rexroth IKS standard



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

Rated voltage	300 V 80 °C
Rated voltage U_0/U	600/1000 V
Insulation resistance at 20 °C	$\geq 200 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	12xD
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

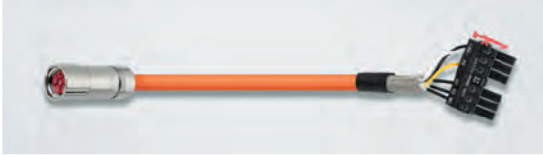
- Jacket color: orange RAL 2003

Part-No.	BOSCH REXROTH designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
Base cable				
193126.1000	A* RKG0030/010.0	10	(2x1.0+4x2x0.25)	8.9
193034.1000	A* RKG4200/010.0	10	(2x0.5+4x2x0.25)	8.7
193088.1000	A* RKG4202/010.0	10	(2x0.5+4x2x0.25)	8.7
193146.1000	A* IKS4038/010.0	10	(4x1.0 + 4x2x0.14 + (4x0.14))	9.5
Extension				
193001.1000	A* RKG4201/010.0	10	(2x0.5+4x2x0.25)	8.7

* Bosch Rexroth article designations are registered trademarks of Bosch Rexroth, and are for reference purposes only

Servo cable assemblies for fixed wiring

According to SIEMENS-6FX5002 standard Base cable



Application

- Base cable for Siemens servo drives
- For flexible application without compulsory guide
- More cost-effective alternative to the cable carrier suitable 6FX8002 version

Properties

- PVC Flame-retardant, self-extinguishing
- Sans silicone
- RoHS compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, DIN EN 60228, class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS, speed-connect / Booksize without brake pairs				
198406.1000	A* 6FX5002-5CN06-1BA0	10.0	(4G1.5)	8.4
198408.1000	A* 6FX5002-5CN26-1BA0	10.0	(4G1.5)	8.4
198411.1000	A* 6FX5002-5CS06-1BA0	10.0	(4G1.5)	8.4
198413.1000	A* 6FX5002-5CS26-1BA0	10.0	(4G1.5)	8.4
198422.1000	A* 6FX5002-5CN16-1BA0	10.0	(4G1.5)	8.4
198423.1000	A* 6FX5002-5CN36-1BA0	10.0	(4G2.5)	10.6
198425.1000	A* 6FX5002-5CS16-1BA0	10.0	(4G2.5)	10.6
198427.1000	A* 6FX5002-5CS36-1BA0	10.0	(4G2.5)	10.6
198438.1000	A* 6FX5002-5CN46-1BA0	10.0	(4G4)	11.5
198441.1000	A* 6FX5002-5CS46-1BA0	10.0	(4G4)	11.5
198447.1000	A* 6FX5002-5CN56-1BA0	10.0	(4G6)	13.2
198449.1000	A* 6FX5002-5CS56-1BA0	10.0	(4G6)	13.2
198456.1000	A* 6FX5002-5CN66-1BA0	10.0	(4G10)	16.5
198458.1000	A* 6FX5002-5CS17-1BA0	10.0	(4G10)	16.5
198463.1000	A* 6FX5002-5CS66-1BA0	10.0	(4G10)	16.5
SINAMICS, speed-connect / Booksize with brake pairs				
198407.1000	A* 6FX5002-5DN06-1BA0	10.0	(4G1.5+(2x1.5))	11.6
198415.1000	A* 6FX5002-5DN26-1BA0	10.0	(4G1.5+(2x1.5))	11.6
198417.1000	A* 6FX5002-5DS06-1BA0	10.0	(4G1.5+(2x1.5))	11.6
198419.1000	A* 6FX5002-5DS26-1BA0	10.0	(4G1.5+(2x1.5))	11.6
198429.1000	A* 6FX5002-5DN16-1BA0	10.0	(4G2.5+(2x1.5))	13.0
198432.1000	A* 6FX5002-5DN36-1BA0	10.0	(4G2.5+(2x1.5))	13.0
198434.1000	A* 6FX5002-5DS16-1BA0	10.0	(4G2.5+(2x1.5))	13.0
198436.1000	A* 6FX5002-5DS36-1BA0	10.0	(4G2.5+(2x1.5))	13.0
198443.1000	A* 6FX5002-5DN46-1BA0	10.0	(4G4+(2x1.5))	14.0
198445.1000	A* 6FX5002-5DS46-1BA0	10.0	(4G4+(2x1.5))	14.0
198452.1000	A* 6FX5002-5DN56-1BA0	10.0	(4G6+(2x1.5))	15.8
198454.1000	A* 6FX5002-5DS56-1BA0	10.0	(4G6+(2x1.5))	15.8
198465.1000	A* 6FX5002-5DN66-1BA0	10.0	(4G10+(2x1.5))	18.5
198467.1000	A* 6FX5002-5DS66-1BA0	10.0	(4G10+(2x1.5))	18.5
198469.1000	A* 6FX5002-5DS17-1BA0	10.0	(4G10+(2x1.5))	18.5

* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only

Servo cable assemblies without brake pairs for fixed installation

According to SIEMENS-6FX5002 standard Base cable



Application

- Base cable for Siemens servo drives
- For flexible applications without continuous flexing
- More cost-effective alternative to the cable chain version 6FX8002

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	5 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1

Approvals

Product photo The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield:
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS, speed-connect/Booksize				
198098.1000	A* 6FX5002-5CN01-1BA0	10	(4G1.5)	8.4
198103.1000	A* 6FX5002-5CN11-1BA0	10	(4G2.5)	10.6
198104.1000	A* 6FX5002-5CN21-1BA0	10	(4G1.5)	8.4
198106.1000	A* 6FX5002-5CN31-1BA0	10	(4G2.5)	10.6
198107.1000	A* 6FX5002-5CN41-1BA0	10	(4G4)	11.5
198108.1000	A* 6FX5002-5CN51-1BA0	10	(4G6)	13.2
198109.1000	A* 6FX5002-5CN61-1BA0	10	(4G10)	16.5
SINAMICS, full thread/Booksize				
198205.1000	A* 6FX5002-5CS01-1BA0	10	(4G1.5)	8.4
198124.1000	A* 6FX5002-5CS11-1BA0	10	(4G2.5)	10.6
198128.1000	A* 6FX5002-5CS13-1BA0	10	(4G10)	16.5
198129.1000	A* 6FX5002-5CS21-1BA0	10	(4G1.5)	8.4
198132.1000	A* 6FX5002-5CS31-1BA0	10	(4G2.5)	10.6
198133.1000	A* 6FX5002-5CS41-1BA0	10	(4G4)	11.5
198136.1000	A* 6FX5002-5CS51-1BA0	10	(4G6)	13.2
198139.1000	A* 6FX5002-5CS61-1BA0	10	(4G10)	16.5
SINAMICS, open end/Booksize				
198123.1000	A* 6FX5002-5CS02-1BA0	10	(4G1.5)	8.4
198126.1000	A* 6FX5002-5CS12-1BA0	10	(4G2.5)	10.6
198321.1000	A* 6FX5002-5CS42-1BA0	10	(4G4)	16.5
198322.1000	A* 6FX5002-5CS52-1BA0	10	(4G6)	14.0
198323.1000	A* 6FX5002-5CS62-1BA0	10	(4G10)	16.5

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Servo cable assemblies without brake pairs for fixed installation

According to SIEMENS-6FX5002 standard Base cable



Application

- Base cable for Siemens servo drives
- For flexible applications without continuous flexing
- More cost-effective alternative to the cable chain version 6FX8002

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SIMODRIVE, full thread/open end				
198042.1000	A* 6FX5002-5CA01-1BA0	10	(4G1.5)	8.4
198046.1000	A* 6FX5002-5CA11-1BA0	10	(4G2.5)	10.6
198048.1000	A* 6FX5002-5CA13-1BA0	10	(4G10)	16.5
198051.1000	A* 6FX5002-5CA21-1BA0	10	(4G1.5)	8.4
198052.1000	A* 6FX5002-5CA23-1BA0	10	(4G16)	21.2
198054.1000	A* 6FX5002-5CA31-1BA0	10	(4G2.5)	10.6
198059.1000	A* 6FX5002-5CA41-1BA0	10	(4G4)	11.5
198063.1000	A* 6FX5002-5CA51-1BA0	10	(4G6)	13.2
198066.1000	A* 6FX5002-5CA61-1BA0	10	(4G10)	16.5
SINAMICS, full thread/open end				
198068.1000	A* 6FX5002-5CG01-1BA0	10	(4G1.5)	8.4
198071.1000	A* 6FX5002-5CG11-1BA0	10	(4G2.5)	10.6
198292.1000	A* 6FX5002-5CG13-1BA0	10	(4G10)	16.5
198073.1000	A* 6FX5002-5CG21-1BA0	10	(4G1.5)	8.4
198293.1000	A* 6FX5002-5CG23-1BA0	10	(4G16)	21.2
198078.1000	A* 6FX5002-5CG31-1BA0	10	(4G2.5)	10.6
198083.1000	A* 6FX5002-5CG41-1BA0	10	(4G4)	11.5
198088.1000	A* 6FX5002-5CG51-1BA0	10	(4G6)	14.0
198093.1000	A* 6FX5002-5CG61-1BA0	10	(4G10)	16.5
198273.1000	A* 6FX5002-5CS14-1BA0	10	(4G10)	16.5
198294.1000	A* 6FX5002-5CS23-1BA0	10	(4G16)	21.2
198299.1000	A* 6FX5002-5CS54-1BA0	10	(4G6)	14.0
198309.1000	A* 6FX5002-5CS64-1BA0	10	(4G10)	16.5
198353.1000	A* 6FX5002-5CG32-1BA0	10	(4G2.5)	10.6

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Servo cable assemblies with brake pairs for fixed installation

According to SIEMENS-6FX5002 standard Base cable



Application

- Base cable for Siemens servo drives
- For flexible applications without continuous flexing
- More cost-effective alternative to the cable chain version 6FX8002

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

Technical data

Rated voltage 1000 V 80 °C

Rated voltage U_0/U 600/1000 V

Test voltage 4000 V

Insulation resistance at 20 °C $\geq 500 \text{ M}\Omega \times \text{km}$

Temperature range fixed -25 °C ... +80 °C

Temperature range moving -5 °C ... +80 °C

Minimum bending radius fixed 6xD

Minimum bending radius moving 10xD

Burning behavior according to VDE 0482 Part 265-2

DIN EN 50265-2

IEC 60332-1

UL 1581 Part 1080 VW-1

UL FT1

cURus

Approvals

Product photo

The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS, speed-connect/Booksize				
198340.1000	A* 6FX5002-5DN01-1BA0	10	(4G1.5+(2x1.5))	11.6
198341.1000	A* 6FX5002-5DN11-1BA0	10	(4G2.5+(2x1.5))	13.0
198342.1000	A* 6FX5002-5DN21-1BA0	10	(4G1.5+(2x1.5))	11.6
198343.1000	A* 6FX5002-5DN31-1BA0	10	(4G2.5+(2x1.5))	13.0
198344.1000	A* 6FX5002-5DN41-1BA0	10	(4G4+(2x1.5))	14.0
198345.1000	A* 6FX5002-5DN51-1BA0	10	(4G6+(2x1.5))	15.8
198346.1000	A* 6FX5002-5DN61-1BA0	10	(4G10+(2x1.5))	18.5
SINAMICS, full thread/Booksize				
198320.1000	A* 6FX5002-5DS01-1BA0	10	(4G1.5+(2x1.5))	11.6
198325.1000	A* 6FX5002-5DS11-1BA0	10	(4G2.5+(2x1.5))	13.0
198176.1000	A* 6FX5002-5DS13-1BA0	10	(4G10+(2x1.5))	18.5
198177.1000	A* 6FX5002-5DS21-1BA0	10	(4G1.5+(2x1.5))	11.6
198245.1000	A* 6FX5002-5DS31-1BA0	10	(4G2.5+(2x1.5))	13.0
198178.1000	A* 6FX5002-5DS41-1BA0	10	(4G4+(2x1.5))	14.0
198179.1000	A* 6FX5002-5DS51-1BA0	10	(4G6+(2x1.5))	15.8
198182.1000	A* 6FX5002-5DS61-1BA0	10	(4G10+(2x1.5))	18.5

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Servo cable assemblies with brake pairs for fixed installation

According to SIEMENS-6FX5002 standard Base cable



Application

- Base cable for Siemens servo drives
- For flexible applications without continuous flexing
- More cost-effective alternative to the cable chain version 6FX8002

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SIMODRIVE, full thread/open end				
198461.1000	A* 6FX5002-5DA01-1BA0	10	(4G1.5+(2x1.5))	11.6
198481.1000	A* 6FX5002-5DA11-1BA0	10	(4G2.5+(2x1.5))	13.0
198146.1000	A* 6FX5002-5DA13-1BA0	10	(4G10+(2x1.5))	18.5
198501.1000	A* 6FX5002-5DA21-1BA0	10	(4G1.5+(2x1.5))	11.6
198871.1000	A* 6FX5002-5DA23-1BA0	10	(4G16+(2x1.5))	23.6
198531.1000	A* 6FX5002-5DA31-1BA0	10	(4G2.5+(2x1.5))	13.0
198881.1000	A* 6FX5002-5DA33-1BA0	10	(4G25+(2x1.5))	28.5
198561.1000	A* 6FX5002-5DA41-1BA0	10	(4G4+(2x1.5))	14.0
198571.1000	A* 6FX5002-5DA51-1BA0	10	(4G6+(2x1.5))	15.8
198581.1000	A* 6FX5002-5DA61-1BA0	10	(4G10+(2x1.5))	18.5
SINAMICS, full thread/open end				
198076.1000	A* 6FX5002-5DG01-1BA0	10	(4G1.5+(2x1.5))	11.6
198086.1000	A* 6FX5002-5DG11-1BA0	10	(4G2.5+(2x1.5))	13.0
198287.1000	A* 6FX5002-5DG13-1BA0	10	(4G10+(2x1.5))	18.5
198081.1000	A* 6FX5002-5DG21-1BA0	10	(4G1.5+(2x1.5))	11.6
198288.1000	A* 6FX5002-5DG23-1BA0	10	(4G16+(2x1.5))	23.6
198091.1000	A* 6FX5002-5DG31-1BA0	10	(4G2.5+(2x1.5))	13.0
198289.1000	A* 6FX5002-5DG33-1BA0	10	(4G25+(2x1.5))	28.6
198096.1000	A* 6FX5002-5DG41-1BA0	10	(4G4+(2x1.5))	14.0
198101.1000	A* 6FX5002-5DG51-1BA0	10	(4G6+(2x1.5))	15.8
198116.1000	A* 6FX5002-5DG61-1BA0	10	(4G10+(2x1.5))	18.5
198296.1000	A* 6FX5002-5DS14-1BA0	10	(4G10+(2x1.5))	18.5
198264.1000	A* 6FX5002-5DS23-1BA0	10	(4G16+(2x1.5))	23.6
198297.1000	A* 6FX5002-5DS54-1BA0	10	(4G6+(2x1.5))	15.8
198298.1000	A* 6FX5002-5DS64-1BA0	10	(4G10+(2x1.5))	18.5

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Servo cable assemblies without brake pairs for fixed installation

According to SIEMENS-6FX5002 standard Extension



Application

- Extension cable for Siemens servo drives
- For flexible applications without continuous flexing
- More cost-effective alternative to the cable chain version 6FX8002

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

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.

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS/SIMODRIVE, full thread				
198044.1000	A* 6FX5002-5CA05-1BA0	10	(4G1.5)	8.4
198049.1000	A* 6FX5002-5CA15-1BA0	10	(4G2.5)	10.6
198053.1000	A* 6FX5002-5CA28-1BA0	10	(4G1.5)	8.4
198058.1000	A* 6FX5002-5CA38-1BA0	10	(4G2.5)	10.6
198062.1000	A* 6FX5002-5CA48-1BA0	10	(4G4)	11.5
198064.1000	A* 6FX5002-5CA58-1BA0	10	(4G6)	13.2
198067.1000	A* 6FX5002-5CA68-1BA0	10	(4G10)	16.5
198144.1000	A* 6FX5002-5CX28-1BA0	10	(4G16)	21.2

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Servo cable assemblies with brake pairs for fixed installation

According to SIEMENS-6FX5002 standard Extension



Application

- Extension cable for Siemens servo drives
- For flexible application without continuous flexing
- More cost-effective alternative to the cable chain version 6FX8002

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

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.

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_p/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD

Burning behavior according to IEC 60332-1
DIN EN 50265-2
VDE 0482 Part 265-2
UL 1581 Part 1080 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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Control pair: colour coded (bw, wb), with foil tape and braided shield
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS/SIMODRIVE, full thread				
198731.1000	A* 6FX5002-5DA05-1BA0	10	(4G1.5+(2x1.5))	11.6
198991.1000	A* 6FX5002-5DA15-1BA0	10	(4G2.5+(2x1.5))	13.0
198791.1000	A* 6FX5002-5DA28-1BA0	10	(4G1.5+(2x1.5))	11.6
198801.1000	A* 6FX5002-5DA38-1BA0	10	(4G2.5+(2x1.5))	13.0
198006.1000	A* 6FX5002-5DA48-1BA0	10	(4G4+(2x1.5))	14.0
198011.1000	A* 6FX5002-5DA58-1BA0	10	(4G6+(2x1.5))	15.8
198026.1000	A* 6FX5002-5DA68-1BA0	10	(4G10+(2x1.5))	18.5
198184.1000	A* 6FX5002-5DX28-1BA0	10	(4G16+(2x1.5))	23.6
198186.1000	A* 6FX5002-5DX38-1BA0	10	(4G25+(2x1.5))	28.5

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Signal cable for fixed wiring

According to SIEMENS-6FX5002 standard Base cable DRIVE-CLIQ



Application

- Signal cable for SIEMENS SERVO drives
- For flexible application without compulsory guide
- More cost-effective alternative to the cable carrier suitable 6FX8002 version

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS-compliant

Technical data

Rated voltage	30 V 80 °C
Test voltage	500 V
Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	7.5×D
Minimum bending radius moving	15×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.
Note	Permitted total cable length ≤ 100 m (6FX5...) or ≤ 75 m (6FX8...)

Construction

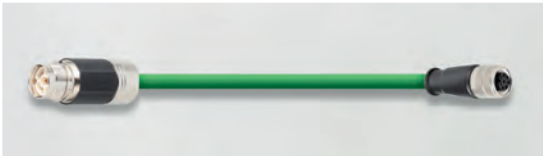
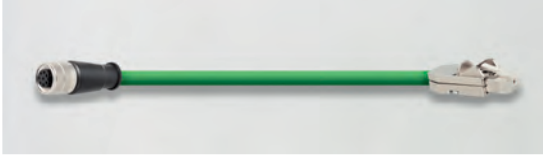
- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Colour coded
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: Special PVC TM2 according to VDE 0281-1
- Surface: matt, adhesion-free
- Jacket color: green RAL 6018

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
SINAMICS				
198475.1000	A* 6FX5002-2DC40-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198477.1000	A* 6FX5002-2DC42-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198479.1000	A* 6FX5002-2DC44-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198484.1000	A* 6FX5002-2DD40-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198486.1000	A* 6FX5002-2DD42-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198488.1000	A* 6FX5002-2DD44-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198499.1000	A* 6FX5002-2DC48-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198504.1000	A* 6FX5002-2DD48-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2

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Signal cable for fixed wiring

According to SIEMENS-6FX5002 Base cable DRIVE-CLIQ



Application

- Signal cable for SIEMENS SERVO drives
- For flexible application without compulsory guide
- Cost-effective alternative to the cable carrier suitable 6FX8002 version

Properties

- PVC Flame-retardant, self-extinguishing
- Silicone free
- RoHS compliant

Technical data

Rated voltage	30 V 80 °C
Test voltage	500 V
Insulation resistance at 20 °C	≥ 200 MΩ×km
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	7.5×D
Minimum bending radius moving	15×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.

Note

The total length of the DRIVE-CLIQ train does not exceed more than 30 m.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Colour coded
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: Special PVC TM2 according to VDE 0281-1
- Surface: matt, adhesion-free
- Jacket color: green RAL 6018

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
SINAMICS				
198493.1000	A* 6FX5002-2DC46-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198495.1000	A* 6FX5002-2DC30-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2
198497.0300	A* 6FX5002-2DC34-1AD0	3.0	(2×2×AWG26+1×2×AWG22)	7.2
198497.0600	A* 6FX5002-2DC34-1AG0	6.0	(2×2×AWG26+1×2×AWG22)	7.2
198506.1000	A* 6FX5002-2DC36-1BA0	10.0	(2×2×AWG26+1×2×AWG22)	7.2

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Signal cable assemblies for fixed installation

According to SIEMENS-6FX5002 standard Base cable DRIVE-CLIQ®



Application

- Resolver cable
- For flexible application without continuous flexing
- Cost-effective alternative to the c-tracks suitable 6FX8002 version

Properties

- Silicone free
- RoHS-compliant

Technical data

Rated voltage	30 V 80 °C
Test voltage	500 V
Insulation resistance at 20 °C	≥ 20 MΩ×km
Temperature range fixed	-25 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Minimum bending radius fixed	7.5×D
Minimum bending radius moving	15×D
Burning behavior according to	IEC 60332-1 DIN EN 50265-2 VDE 0482 Part 265-2
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

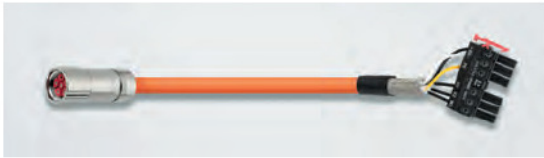
- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special PP
- Conductor marking: Colour coded
- Ground conductor green/yellow according to DIN EN 50334
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket color: green RAL 6018

Part-No.	SIEMENS designation*	Cable length m	Outer Ø mm
SINAMICS			
198036.1000	A* 6FX5002-2DC00-1BA0	10	7.2
198037.1000	A* 6FX5002-2DC10-1BA0	10	7.2
198038.1000	A* 6FX5002-2DC20-1BA0	10	7.2

* Siemens article designations are registered trademarks of Siemens AG, and are for reference purposes only

Servo cable assemblies for C-tracks

According to SIEMENS-6FX8002 standard Base cable



Application

- Base 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.
- Especially for industrial environments, machines and plants

Properties

- 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

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special PP
- Conductor marking: Power conductors black with numbered print UL/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall wrapping: Non-woven material, over the cable core
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: Special PUR
- Surface: matt, adhesion-free
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS, speed-connect / Booksize without brake pairs				
198398.1000	A* 6FX8002-5CN06-1BA0	10.0	(4G1.5)	8.4
198409.1000	A* 6FX8002-5CN26-1BA0	10.0	(4G1.5)	8.4
198412.1000	A* 6FX8002-5CS06-1BA0	10.0	(4G1.5)	8.4
198414.1000	A* 6FX8002-5CS26-1BA0	10.0	(4G1.5)	8.4
198399.1000	A* 6FX8002-5CN16-1BA0	10.0	(4G2.5)	10.6
198424.1000	A* 6FX8002-5CN36-1BA0	10.0	(4G2.5)	10.6
198426.1000	A* 6FX8002-5CS16-1BA0	10.0	(4G2.5)	10.6
198428.1000	A* 6FX8002-5CS36-1BA0	10.0	(4G2.5)	10.6
198439.1000	A* 6FX8002-5CN46-1BA0	10.0	(4G4)	12.2
198442.1000	A* 6FX8002-5CS46-1BA0	10.0	(4G4)	12.2
198448.1000	A* 6FX8002-5CN56-1BA0	10.0	(4G6)	14.0
198451.1000	A* 6FX8002-5CS56-1BA0	10.0	(4G6)	14.0
198401.1000	A* 6FX8002-5CN56-1BA0	10.0	(4G6)	13.2
198457.1000	A* 6FX8002-5CN66-1BA0	10.0	(4G10)	17.6
198459.1000	A* 6FX8002-5CS17-1BA0	10.0	(4G10)	17.6
198464.1000	A* 6FX8002-5CS66-1BA0	10.0	(4G10)	17.6
SINAMICS, speed-connect / Booksize with brake pairs				
198403.1000	A* 6FX8002-5DN06-1BA0	10.0	(4G1.5+(2x1.5))	11.4
198416.1000	A* 6FX8002-5DN26-1BA0	10.0	(4G1.5+(2x1.5))	11.4
198418.1000	A* 6FX8002-5DS06-1BA0	10.0	(4G1.5+(2x1.5))	11.4
198421.1000	A* 6FX8002-5DS26-1BA0	10.0	(4G1.5+(2x1.5))	11.4
198431.1000	A* 6FX8002-5DN16-1BA0	10.0	(4G2.5+(2x1.5))	12.9
198433.1000	A* 6FX8002-5DN36-1BA0	10.0	(4G2.5+(2x1.5))	12.9
198435.1000	A* 6FX8002-5DS16-1BA0	10.0	(4G2.5+(2x1.5))	12.9
198437.1000	A* 6FX8002-5DS36-1BA0	10.0	(4G2.5+(2x1.5))	12.9
198444.1000	A* 6FX8002-5DN46-1BA0	10.0	(4G4+(2x1.5))	14.5
198446.1000	A* 6FX8002-5DS46-1BA0	10.0	(4G4+(2x1.5))	14.5
198453.1000	A* 6FX8002-5DN56-1BA0	10.0	(4G6+(2x1.5))	16.1
198455.1000	A* 6FX8002-5DS56-1BA0	10.0	(4G6+(2x1.5))	16.1
198466.1000	A* 6FX8002-5DN66-1BA0	10.0	(4G10+(2x1.5))	19.5
198468.1000	A* 6FX8002-5DS66-1BA0	10.0	(4G10+(2x1.5))	19.5
198473.1000	A* 6FX8002-5DS17-1BA0	10.0	(4G10+(2x1.5))	19.5

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Servo cable assemblies without brake pairs for C-tracks

According to SIEMENS-6FX8002 standard Base cable



Application

- Base cable DRIVE-CLIQ®, for SIEMENS SERVO drives
- Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- Silicone free
- RoHS-compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special TPE
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- 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

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
SINAMICS, speed-connect/Booksize				
198326.1000	A* 6FX8002-5CN01-1BA0	10	(4G1.5)	8.6
198327.1000	A* 6FX8002-5CN11-1BA0	10	(4G2.5)	10.8
198328.1000	A* 6FX8002-5CN21-1BA0	10	(4G1.5)	8.6
198329.1000	A* 6FX8002-5CN31-1BA0	10	(4G2.5)	10.8
198330.1000	A* 6FX8002-5CN41-1BA0	10	(4G4)	12.2
198331.1000	A* 6FX8002-5CN51-1BA0	10	(4G6)	14.0
198332.1000	A* 6FX8002-5CN61-1BA0	10	(4G10)	17.6
SINAMICS, full thread/Booksize				
198300.1000	A* 6FX8002-5CS01-1BA0	10	(4G1.5)	8.6
198302.1000	A* 6FX8002-5CS11-1BA0	10	(4G2.5)	10.8
198214.1000	A* 6FX8002-5CS13-1BA0	10	(4G10)	17.6
198304.1000	A* 6FX8002-5CS21-1BA0	10	(4G1.5)	8.6
198305.1000	A* 6FX8002-5CS31-1BA0	10	(4G2.5)	10.8
198317.1000	A* 6FX8002-5CS41-1BA0	10	(4G4)	12.2
198318.1000	A* 6FX8002-5CS51-1BA0	10	(4G6)	14.0
198319.1000	A* 6FX8002-5CS61-1BA0	10	(4G10)	17.6
SINAMICS, open end/Booksize				
198303.1000	A* 6FX8002-5CS12-1BA0	10	(4G2.5)	10.6
198306.1000	A* 6FX8002-5CS42-1BA0	10	(4G4)	12.2

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Servo cable assemblies without brake pairs for C-tracks

According to SIEMENS-6FX8002 standard Base cable



Application

- Base cable, for Siemens servo drives
- 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

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +85 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, DIN EN 60228, class 6
- Conductor insulation: Special TPE
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- 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

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SIMODRIVE, full thread/open end				
198360.1000	A* 6FX8002-5CA01-1BA0	10	(4G1.5)	8.6
198380.1000	A* 6FX8002-5CA11-1BA0	10	(4G2.5)	10.8
198845.1000	A* 6FX8002-5CA13-1BA0	10	(4G10)	17.6
198400.1000	A* 6FX8002-5CA21-1BA0	10	(4G1.5)	8.6
198810.1000	A* 6FX8002-5CA23-1BA0	10	(4G16)	21.2
198410.1000	A* 6FX8002-5CA31-1BA0	10	(4G2.5)	10.8
198430.1000	A* 6FX8002-5CA41-1BA0	10	(4G4)	12.2
198440.1000	A* 6FX8002-5CA51-1BA0	10	(4G6)	14.0
198450.1000	A* 6FX8002-5CA61-1BA0	10	(4G10)	17.6
SINAMICS, full thread/open end				
198950.1000	A* 6FX8002-5CG01-1BA0	10	(4G1.5)	8.6
198040.1000	A* 6FX8002-5CG11-1BA0	10	(4G2.5)	10.8
198283.1000	A* 6FX8002-5CG13-1BA0	10	(4G10)	17.6
198035.1000	A* 6FX8002-5CG21-1BA0	10	(4G1.5)	8.6
198803.1000	A* 6FX8002-5CG23-1BA0	10	(4G16)	21.2
198045.1000	A* 6FX8002-5CG31-1BA0	10	(4G2.5)	10.8
198198.1000	A* 6FX8002-5CG32-1BA0	10	(4G2.5)	10.8
198050.1000	A* 6FX8002-5CG41-1BA0	10	(4G4)	12.2
198055.1000	A* 6FX8002-5CG51-1BA0	10	(4G6)	14.0
198060.1000	A* 6FX8002-5CG61-1BA0	10	(4G10)	17.6
198284.1000	A* 6FX8002-5CS14-1BA0	10	(4G10)	17.6
198285.1000	A* 6FX8002-5CS23-1BA0	10	(4G16)	21.2
198980.1000	A* 6FX8002-5CS54-1BA0	10	(4G6)	14.0
198286.1000	A* 6FX8002-5CS64-1BA0	10	(4G10)	17.6

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Servo cable assemblies with brake pairs for C-tracks

According to SIEMENS-6FX8002 standard Base cable



Application

- Base cable for Siemens servo drives
- Full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- Silicone free
- RoHS-compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special HGI
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Control pair: colour coded (bw, wb), with foil tape and braided shield
- 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

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS, speed-connect/Booksize				
198333.1000	A* 6FX8002-5DN01-1BA0	10	(4G1.5+(2x1.5))	11.4
198334.1000	A* 6FX8002-5DN11-1BA0	10	(4G2.5+(2x1.5))	12.9
198335.1000	A* 6FX8002-5DN21-1BA0	10	(4G1.5+(2x1.5))	11.4
198336.1000	A* 6FX8002-5DN31-1BA0	10	(4G2.5+(2x1.5))	12.9
198337.1000	A* 6FX8002-5DN41-1BA0	10	(4G4+(2x1.5))	14.5
198338.1000	A* 6FX8002-5DN51-1BA0	10	(4G6+(2x1.5))	16.1
198339.1000	A* 6FX8002-5DN61-1BA0	10	(4G10+(2x1.5))	19.5
SINAMICS, full thread/Booksize				
198310.1000	A* 6FX8002-5DS01-1BA0	10	(4G1.5+(2x1.5))	11.4
198311.1000	A* 6FX8002-5DS11-1BA0	10	(4G2.5+(2x1.5))	12.9
198312.1000	A* 6FX8002-5DS21-1BA0	10	(4G1.5+(2x1.5))	11.4
198313.1000	A* 6FX8002-5DS31-1BA0	10	(4G2.5+(2x1.5))	12.9
198314.1000	A* 6FX8002-5DS41-1BA0	10	(4G4+(2x1.5))	14.5
198315.1000	A* 6FX8002-5DS51-1BA0	10	(4G6+(2x1.5))	16.1
198316.1000	A* 6FX8002-5DS61-1BA0	10	(4G10+(2x1.5))	19.5
198247.1000	A* 6FX8002-5DS13-1BA0	10	(4G10+(2x1.5))	19.5

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Servo cable assemblies with brake pairs for C-tracks

According to SIEMENS-6FX8002 standard Base cable



Application

- Base cable, for Siemens servo drives
- Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- Silicone free
- RoHS-compliant

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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 EN 60684-2
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor:
- Conductor category:
- Conductor insulation: Special HGI
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Control pair: colour coded (bw, wb), with foil tape and braided shield
- Overall stranding: Conductors twisted without mechanical stress
- Overall wrapping: Non-woven material, over the cable core
- Overall shield:
- Jacket material: PUR
- Surface: matt, adhesion-free
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SIMODRIVE, full thread/open end				
198460.1000	A* 6FX8002-5DA01-1BA0	10	(4G1.5+(2x1.5))	11.4
198480.1000	A* 6FX8002-5DA11-1BA0	10	(4G2.5+(2x1.5))	12.9
198840.1000	A* 6FX8002-5DA13-1BA0	10	(4G10+(2x1.5))	19.5
198500.1000	A* 6FX8002-5DA21-1BA0	10	(4G1.5+(2x1.5))	11.4
198870.1000	A* 6FX8002-5DA23-1BA0	10	(4G16+(2x1.5))	23.6
198530.1000	A* 6FX8002-5DA31-1BA0	10	(4G2.5+(2x1.5))	12.9
198880.1000	A* 6FX8002-5DA33-1BA0	10	(4G25+(2x1.5))	28.5
198560.1000	A* 6FX8002-5DA41-1BA0	10	(4G4+(2x1.5))	14.5
198349.1000	A* 6FX8002-5DA43-1BA0	10	(4G35+(2x1.5))	32.0
198570.1000	A* 6FX8002-5DA51-1BA0	10	(4G6+(2x1.5))	16.1
198580.1000	A* 6FX8002-5DA61-1BA0	10	(4G10+(2x1.5))	19.5
SINAMICS, full thread/open end				
198075.1000	A* 6FX8002-5DG01-1BA0	10	(4G1.5+(2x1.5))	11.4
198085.1000	A* 6FX8002-5DG11-1BA0	10	(4G2.5+(2x1.5))	11.4
198275.1000	A* 6FX8002-5DG13-1BA0	10	(4G10+(2x1.5))	19.5
198080.1000	A* 6FX8002-5DG21-1BA0	10	(4G1.5+(2x1.5))	11.4
198276.1000	A* 6FX8002-5DG23-1BA0	10	(4G16+(2x1.5))	23.6
198090.1000	A* 6FX8002-5DG31-1BA0	10	(4G2.5+(2x1.5))	12.9
198277.1000	A* 6FX8002-5DG33-1BA0	10	(4G25+(2x1.5))	28.5
198095.1000	A* 6FX8002-5DG41-1BA0	10	(4G4+(2x1.5))	14.5
198278.1000	A* 6FX8002-5DG43-1BA0	10	(4G35+(2x1.5))	32.0
198100.1000	A* 6FX8002-5DG51-1BA0	10	(4G6+(2x1.5))	16.1
198279.1000	A* 6FX8002-5DG53-1BA0	10	(4G50+(2x1.5))	37.3
198115.1000	A* 6FX8002-5DG61-1BA0	10	(4G10+(2x1.5))	19.5
198263.1000	A* 6FX8002-5DS14-1BA0	10	(4G10+(2x1.5))	19.5
198267.1000	A* 6FX8002-5DS23-1BA0	10	(4G16+(2x1.5))	23.6
198259.1000	A* 6FX8002-5DS54-1BA0	10	(4G6+(2x1.5))	16.1
198262.1000	A* 6FX8002-5DS64-1BA0	10	(4G10+(2x1.5))	19.5

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Servo cable assemblies without brake pairs for C-tracks

According to SIEMENS-6FX8002 standard Extension



Application

- Extension cable for Siemens servo drives
- 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

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.

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
Burning behavior according to	IEC 60332-1 DIN FN 50265-2 VDE 0482 Part 265-2 UL 1581 Part 1080 VW-1 UL FT1
Halogen free according to	EN 50267-2-1 EN 60684-2
Approvals	cURus
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special HGI
- Conductor marking: Power conductors black with numbered print U/L1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Overall stranding: Conductors twisted without mechanical stress
- Overall wrapping:
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: PUR
- Surface: matt, adhesion-free
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS/SIMODRIVE, full thread				
198820.1000	A* 6FX8002-5CA05-1BA0	10	(4G1.5)	8.6
198985.1000	A* 6FX8002-5CA15-1BA0	10	(4G2.5)	10.8
198765.1000	A* 6FX8002-5CA28-1BA0	10	(4G1.5)	8.6
198995.1000	A* 6FX8002-5CA38-1BA0	10	(4G2.5)	10.8
198015.1000	A* 6FX8002-5CA48-1BA0	10	(4G4)	12.2
198020.1000	A* 6FX8002-5CA58-1BA0	10	(4G6)	14.0
198030.1000	A* 6FX8002-5CA68-1BA0	10	(4G10)	17.6
198216.1000	A* 6FX8002-5CX18-1BA0	10	(4G10)	17.6
198217.1000	A* 6FX8002-5CX28-1BA0	10	(4G16)	21.2
SINAMICS, speed-connect				
198204.1000	A* 6FX8002-5CN05-1BA0	10	(4G1.5)	8.6

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Servo cable assemblies with brake pairs for C-tracks

According to SIEMENS-6FX8002 standard Extension



Application

- Extension cable for Siemens servo drives
- Due to full PUR jacket and TPE conductor insulation optimally suited for c-tracks, extremely rough operating conditions, aggressive coolants and lubricants
- Especially for industrial environments, machines and plants

Properties

- Silicone free
- RoHS-compliant

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.

Technical data

Rated voltage	1000 V 80 °C
Rated voltage U_0/U	600/1000 V
Test voltage	4000 V
Insulation resistance at 20 °C	$\geq 500 \text{ M}\Omega \times \text{km}$
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-25 °C ... +80 °C
Minimum bending radius fixed	6xD
Minimum bending radius moving	10xD
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

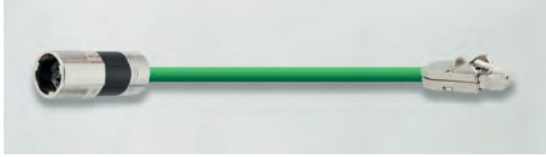
- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special HGI
- Conductor marking: Power conductors black with numbered print U/L 1/C/L+, V/L2, W/L3/D/L-
- Ground conductor green/yellow according to DIN EN 50334
- Control pair: colour coded (bw, wb), with foil tape and braided shield
- Overall stranding: Conductors twisted without mechanical stress
- Overall wrapping: Non-woven material, over the cable core
- Overall shield:
- Jacket material: PUR
- Surface: matt, adhesion-free
- Jacket color: orange RAL 2003

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer \varnothing mm
SINAMICS/SIMODRIVE, full thread				
198730.1000	A* 6FX8002-5DA05-1BA0	10	(4G1.5+(2x1.5))	11.4
198990.1000	A* 6FX8002-5DA15-1BA0	10	(4G2.5+(2x1.5))	12.9
198790.1000	A* 6FX8002-5DA28-1BA0	10	(4G1.5+(2x1.5))	11.4
198800.1000	A* 6FX8002-5DA38-1BA0	10	(4G2.5+(2x1.5))	12.9
198005.1000	A* 6FX8002-5DA48-1BA0	10	(4G4+(2x1.5))	14.5
198010.1000	A* 6FX8002-5DA58-1BA0	10	(4G6+(2x1.5))	16.1
198025.1000	A* 6FX8002-5DA68-1BA0	10	(4G10+(2x1.5))	19.5
198248.1000	A* 6FX8002-5DX18-1BA0	10	(4G10+(2x1.5))	19.5
198249.1000	A* 6FX8002-5DX28-1BA0	10	(4G16+(2x1.5))	23.6
198252.1000	A* 6FX8002-5DX38-1BA0	10	(4G25+(2x1.5))	28.5
198187.1000	A* 6FX8002-5DX48-1BA0	10	(4G35+(2x1.5))	32.0
198254.1000	A* 6FX8002-5DX58-1BA0	10	(4G50+(2x1.5))	37.3
SINAMICS, speed-connect				
198735.1000	A* 6FX8002-5DN05-1BA0	10	(4G1.5+(2x1.5))	11.4

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Signal cables for C-tracks

According to SIEMENS-6FX8002 standard Base cable DRIVE-CLIQ



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.
- Especially for industrial environments, machines and plants

Properties

- 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

Rated voltage	30 V 80 °C
Test voltage	500 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
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.
Note	Permitted total cable length ≤ 100 m (6FX5...) or ≤ 75 m (6FX8...)

Construction

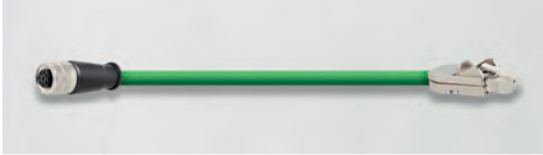
- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special TPE
- Conductor marking: Colour coded
- Overall shield: Braid shield, Tinned copper wires, optical cover approx. 85%
- Jacket material: Special PUR
- Surface: matt, adhesion-free
- Jacket color: green RAL 6018

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
SINAMICS				
198476.1000	A* 6FX8002-2DC40-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198478.1000	A* 6FX8002-2DC42-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198483.1000	A* 6FX8002-2DC44-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198485.1000	A* 6FX8002-2DD40-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198487.1000	A* 6FX8002-2DD42-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198489.1000	A* 6FX8002-2DD44-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198503.1000	A* 6FX8002-2DC48-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198505.1000	A* 6FX8002-2DD48-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8

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Signal cables for C-tracks

According to SIEMENS-6FX8002 standard Base cable DRIVE-CLIQ



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.
- Especially for industrial environments, machines and plants

Properties

- 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

Rated voltage	30 V 80 °C
Test voltage	500 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
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.
Note	The total length of the DRIVE-CLIQ train does not exceed more than 30 m.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special TPE
- Conductor marking: Colour coded
- Overall shield: Braid shield, linned copper wires, optical cover approx. 85%
- Jacket material: Special PUR
- Surface: matt, adhesion-free
- Jacket color: green RAL 6018

Part-No.	SIEMENS designation*	Cable length m	Number of conductors/ cross-section	Outer Ø mm
SINAMICS				
198494.1000	A* 6FX8002-2DC46-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198496.1000	A* 6FX8002-2DC30-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8
198498.0300	A* 6FX8002-2DC34-1AD0	3.0	(2×2×AWG26+1× 2×AWG22)	6.8
198498.0600	A* 6FX8002-2DC34-1AG0	6.0	(2×2×AWG26+1× 2×AWG22)	6.8
198507.1000	A* 6FX8002-2DC36-1BA0	10.0	(2×2×AWG26+1× 2×AWG22)	6.8

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Signal cable assemblies for C-tracks

According to SIEMENS-6FX8002 standard Base cable DRIVE-CLIQ®



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

Rated voltage	30 V 80 °C
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
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
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 6
- Conductor insulation: Special TPE
- Conductor marking: Colour coded
- 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

Part-No.	SIEMENS designation*	Cable length m	Outer Ø mm
SINAMICS			
198890.1000	A* 6FX8002-2DC00-1BA0	10	6.8
198900.1000	A* 6FX8002-2DC10-1BA0	10	6.8
198910.1000	A* 6FX8002-2DC20-1BA0	10	6.8

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Signal cable assemblies for C-tracks

According to SIEMENS-6FX8002 standard base cable and extension



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

Rated voltage	30 V 80 °C
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
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
Product photo	The product photos are not to scale and do not represent detailed images of the respective products.

Construction

- Conductor: CU-wire bare
- Conductor category: Finely stranded DIN VDE 0295, IEC 60228, Class 5
- Conductor insulation: Special TPE
- Conductor marking: Colour coded
- 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

Part-No.	SIEMENS designation*	Cable length m	Outer Ø mm
SIMODRIVE base cable			
198110.1000	A* 6FX8002-2AD00-1BA0	10	8.6
198830.1000	A* 6FX8002-2AH00-1BA0	10	9.0
198120.1000	A* 6FX8002-2CA11-1BA0	10	9.0
198130.1000	A* 6FX8002-2CA15-1BA0	10	8.6
198628.1000	A* 6FX8002-2CA31-1BA0	10	9.5
198850.1000	A* 6FX8002-2CA51-1BA0	10	8.6
198150.1000	A* 6FX8002-2CA61-1BA0	10	8.6
198200.1000	A* 6FX8002-2CB51-1BA0	10	9.0
198210.1000	A* 6FX8002-2CC11-1BA0	10	9.0
198220.1000	A* 6FX8002-2CD01-1BA0	10	9.0
198240.1000	A* 6FX8002-2CF02-1BA0	10	8.6
198170.1000	A* 6FX8002-2CG00-1BA0	10	9.0
198250.1000	A* 6FX8002-2CH00-1BA0	10	8.6
198280.1000	A* 6FX8002-2EQ10-1BA0	10	9.5
198140.1000	A* 6FX8002-2CA21-1BA0	10	8.6
198260.1000	A* 6FX8002-2CE07-1BA0	10	9.0
SIMODRIVE extension			
198160.1000	A* 6FX8002-2CA34-1BA0	10	9.5
198740.1000	A* 6FX8002-2CF04-1BA0	10	8.6
198700.1000	A* 6FX8002-2EQ14-1BA0	10	9.5
198105.1000	A* 6FX8002-2AD04-1BA0	10	8.6
198295.1000	A* 6FX8002-2CB54-1BA0	10	9.0

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Pre-fabricated front-end plug S7

S7 Plug For Siemens Simatic PLC/S7



Application

- Wiring from Siemens Simatic PLC/S7

Properties

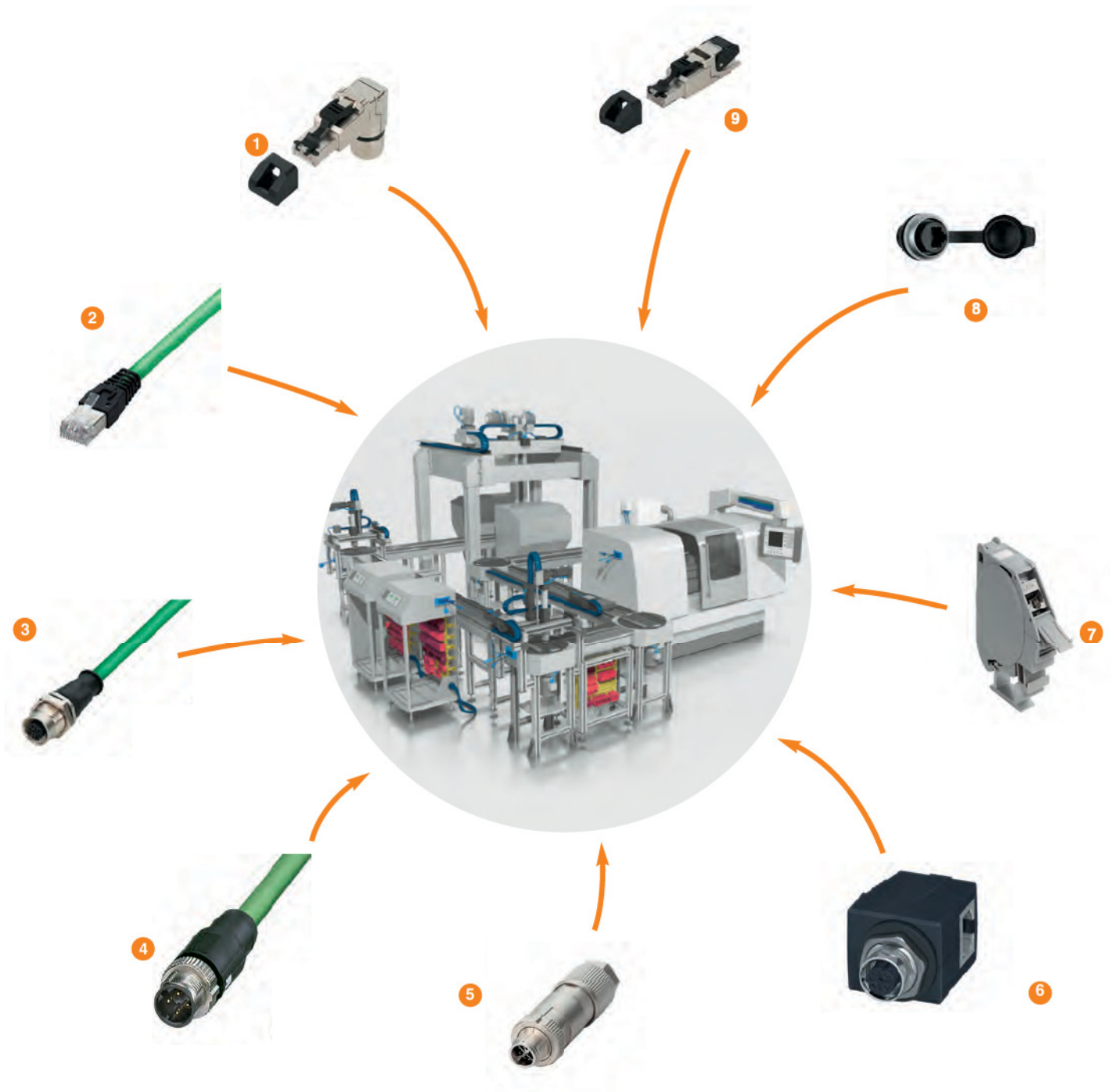
- Cable core with S7 connector
- Completely wired, 2. cables run at 90° to connector

Technical data

Packaging	3 m or 5 m Other lengths are available upon request
Compatibility	Fully compatible to Siemens
Jacket color	dark blue RAL 5010
Conductor marking	with white number print

Part-No.	Type	Cable core	Number of conductors/ cross-section	Cable length m
S7 Plug with screw termination				
197455	A* 392 1AJ	20-pin	20x0.5	3
197456	A* 392 1AJ	20-pin	20x0.5	5
197457	A* 392 1AJ	20-pin	20x0.75	3
197458	A* 392 1AJ	20-pin	20x0.75	5
S7 Plug with Easy-Connect				
197500	A* 392 1AM	40-pin	(40x0.5)	3
197501	A* 392 1AM	40-pin	(40x0.5)	5
197502	A* 392 1AM	40-pin	(40x0.75)	3
197503	A* 392 1AM	40-pin	(40x0.75)	5

Internet of things



- 1 RJ45 industrial connector, angled
- 2 RJ45 connector
- 3 M12 panel connector
- 4 M12 connector

- 5 M12 Male X-coded
- 6 M12 / RJ45 control cabinet bushing
- 7 RJ45 Module holder
- 8 RJ45 panel connector for front installation
- 9 RJ45 connector