

Technical data sheet

PVC feedback cables · shielded

LUTZE SILFLEX® (C) PVC FEEDBACK

Feedback cable for Siemens DRIVE-CLIQ 6FX5008 standard system



Identification

Type SI (C) PVC FB (2×2×AWG26+1×2×AWG22)
Part No. [104341](#)

Product version

Datasheet version 00

Use/Application/Properties

- Application
- Digital feedback cable compatible with Siemens DRIVE-CLIQ standard system
 - In dry and damp rooms
 - For flexible applications without compulsory guide
- Properties
- High protection against electromagnetic interferences (EMI)
 - PVC Flame-retardant, self-extinguishing
 - Largely resistant to oils, greases, acids and bases
 - Silicone free

Construction

Description	SILFLEX® (C) PVC FEEDBACK
Number of conductors/cross-section	(2×2×AWG26+1×2×AWG22)
Number of conductors	6
Cross-section, metric	0.14 mm ²
Jacket material	Special PVC
Jacket color	green similar to RAL 6018
Outer Ø	6.8 mm
Outer Ø	0.268 inch
Surface	adhesion-free, matte
Weight	8.5 kg/100 m
Weight	57 Lbs/Mft
Cu-Index	4.2 kg/100 m
Cu-Index	28 Lbs/Mft

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Construction Element 1

Element construction	2×2×AWG26
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 Class 5
Conductor marking	According to system manufacturer
Conductor insulation	Polyolefin
Stranding	Conductors stranded in pairs

Construction Element 2

Element construction	1×2×AWG22
Conductor	CU-wire bare
Conductor category	IEC 60228, Class 5 Finely stranded DIN VDE 0295 Class 5
Conductor marking	According to system manufacturer
Stranding	Conductors stranded in pairs

Overall construction

Overall stranding	Elements stranded together
Overall shield	Foil shield Braid shield Tinned copper wires Optical cover approx. 85 %
Jacket characteristics	Flame-retardant Self-extinguishing Silicone free Oil resistant Grease-resistant Acid-resistant Alkali-resistant

Technical data

Rated voltage	30 V
Test voltage type	AC 500 V
Temperature range moving	-5 °C ... +80 °C
Temperature range fixed	-25 °C ... +80 °C
Minimum bending radius moving	15×D
Minimum bending radius fixed	7.5×D

Technical Data Element 1

Element construction	2×2×AWG26
Insulation resistance at 20 °C	≥200 MΩ×km
Operating capacitance wire-wire	approx.49 pF/m
Operating capacitance wire-shield	approx.89 pF/m

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Technical Data Element 2

Element construction	1×2×AWG22
Insulation resistance at 20 °C	≥200 MΩ×km
Operating capacitance wire-wire	approx.76 pF/m
Operating capacitance wire-shield	approx.137 pF/m

Certifications/Standards

Certifications	cURus
UL style	AWM 2502
Conformity	CE RoHS REACH
Burning behavior according to	IEC 60332-1 DIN EN 60332-1-2 VDE 0482 322-1-2

General

Note	CE These products are in conformity with the EU Low Voltage Directive 2014/35/EU * SIEMENS and DRIVE-CLiQ are registered trademarks
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