

# Technical data sheet · Feedback cables for Allen-Bradley and other Systems



TPE feedback cables · shielded · static

<b>Identification</b>	Type Part-No.	SI (C)TPE SE(5×2×AWG22)UL GN A1410001
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## Use/Application/Characteristics

Application	<ul style="list-style-type: none"><li>• Incremental encoder cable and resolver cable for tacho sensor, brake sensor, speed sensor</li><li>• Cable design for harsh industrial environments and operating conditions with high noise level</li><li>• UL listed and NFPA 79 compliant</li><li>• Dry, damp and wet locations</li></ul>
Characteristics	<ul style="list-style-type: none"><li>• High active and passive interference resistance (EMC)</li><li>• Flexible for easy installation</li><li>• Specially formulated TPE jacket for superior oil resistance according to UL1581</li><li>• Resistant to many mineral &amp; vegetable based cutting oils</li><li>• Non-wicking fillers</li><li>• Extended temperature range and premium durability</li><li>• Sunlight resistant</li><li>• Talc and Silicone free</li></ul>

## Construction

Description	SILFLEX (C) TPE FEEDBACK
Number of conductors/cross-section	(5×2×AWG22)
Jacket material	TPE
Jacket color	green RAL 6018
Outer Ø	10 mm

29.01.2017 – Subject to technical modification

Part-No. A1410001

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Outer Ø	0.395 inches
Weight	102 Lbs/Mft
Cu-Index	40 Lbs/Mft

## Element 1

Element construction	5×2×AWG22
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrätig
Conductor marking	black black/white red red/white green green/white yellow yellow/white orange orange/white
Conductor insulation	Special PVC

## overall construction

Overall wrapping	Non-woven material
Drain wire	CU-wire tin-plated
Overall shield	Foil shield Braid shield Tinned copper wires optical cover approx. 85%
Jacket characteristics	Flame-retardant Oil resistant mineral oil-resistant bio-oil-resistant Silicone-free

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## Technical data

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Rated voltage	300 V UL PLTC-ER 300 V UL CM 600 V UL AWM 90 °C
Test voltage type	1500 V
Temperature range fixed	-40 °C ... +90 °C
Minimum bending radius fixed	6×D

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## Approvals/Standards

Approvals	PLTC-ER NEC 725 Class 1 Div. 2 per NEC
UL style	AWM 20626
Conformity	CE RoHS REACH
Burning behavior	UL Vertical-Tray UL VW-1
Oil resistant according to	UL 1581 4 days at 100 °C 60 days at 75 °C

## General

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

## Symbols



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