

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

TPE feedback cables · shielded · static



Identification	Type	SI (C)TPE SE(1×2×AWG16+1×2×AWG22+6×2×AWG26)UL GN
	Part-No.	A1410002

Use/Application/Characteristics

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

Construction

Description	SILFLEX (C) TPE FEEDBACK
Number of conductors/cross-section	(1×2×AWG16+1×2×AWG22+6×2×AWG26)
Jacket material	TPE
Jacket color	green RAL 6018

29.01.2017 – Subject to technical modification

Part-No. A1410002

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Outer Ø	11.8 mm
Outer Ø	0.465 inches
Weight	143 Lbs/Mft
Cu-Index	54 Lbs/Mft

Element 1

Element construction	1×2×AWG16
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	grey grey/white
Conductor insulation	Special PVC

Element 2

Element construction	1×2×AWG22
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	orange orange/white
Conductor insulation	Special PVC

Element 3

Element construction	6×2×AWG26
Conductor	AWG conductor CU-wire tin-plated
Conductor category	feindrähtig
Conductor marking	black black/white red red/white green green/white blue blue/white brown brown/white yellow yellow/white
Conductor insulation	Special PVC

overall construction

Overall wrapping	Non-woven material
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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

Technical data

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

Element 1

Element construction	1×2×AWG16
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Element 2

Element construction	1×2×AWG22
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Element 3

Element construction	6×2×AWG26
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Approvals/Standards

Approvals	UL Type CM NEC 800
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
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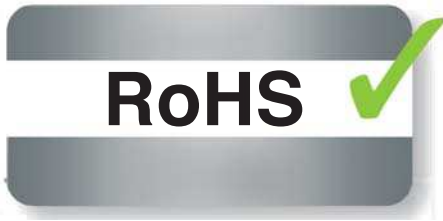
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Symbols



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