



**Product:** <u>73403WS</u> ☑

MachFlex™, 3 C #14 Str BC, PVC Ins, OA TC Brd, PVC Jkt, PVC Jkt, AWM 2587 CLASS K



# **Product Description**

MachFlex™ for Moderate Flex, 3 Conductor 14AWG (41x30) Bare Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, PVC Inner Jacket, PVC Outer Jacket, AWM 2587 CLASS K

## **Technical Specifications**

## **Physical Characteristics (Overall)**

# Conductor Element AWG Stranding Material No. of Conductors Conductor(s) 14 41x30 BC - Bare Copper 2 Ground 14 41x30 BC - Bare Copper 1 Conductor Count: 3

#### Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.118 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

# Color Chart



#### Inner Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	.331 in	.035 in

# Outer Shield

Type	Material	Coverage [%]	
Braid	Tinned Copper (TC)	85%	

#### Outer Jacket

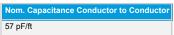
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.443 in	0.042 in

## **Electrical Characteristics**

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.6 Ohm/1000ft	2.6 Ohm/1000ft

#### Capacitance



# Inductance

Nominal Inductance

#### Voltage



#### **Temperature Range**

UL Temp Rating:	90°C
Operating Temperature Range:	-40°C To 90°C (Static), -5°C To 90°C (Flexing)

#### **Mechanical Characteristics**

Oil Resistance:	Yes
Flex Cycle Rating:	1 Million Cycles
Bulk Cable Weight:	261 lbs/1000ft
Max. Pull Tension:	106 lbs
Min. Bend Radius (Continuous Flexing):	3.5 in
Min. Bend Radius/Minor Axis:	3.5 in

#### **Standards**

UL AWM Style Compliance:	AWM 2587	
CSA AWM Compliance:	AWM I/II A/B	
Other Specification:	VDE 0472, Section 803 Oil Test	

## **Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

#### Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT1
UL voltage rating:	600 V RMS

# **Related Part Numbers**

# Variants

Item #	Color	Put-Up Type	UPC
73403WS 008100	Gray	Reel	612825409465
73403WS 0081000	Gray	Reel	612825409472
73403WS 008500	Gray	Reel	612825409489

# **History**

Update and Revision: Revision Number: 0.135 Revision Date: 05-05-2023

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.