



Product: [C5G50](#)

MachFlex™ 375YY, 4+1G C 50mm² Str BC, PVC Ins, PVC Jkt

Product Description

MachFlex™ 375YY, 4 Conductor + 1 Ground 50mm² Stranded Bare Copper, PVC Insulation, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more
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Construction Details

Conductor					
Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	4	50 mm²	Stranded	Class 5	BC - Bare Copper
Ground	1	50 mm²	Stranded	Class 5	BC - Bare Copper

Insulation		
Element	Material	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	Grey, Black, Brown, Blue
Ground	PVC - Polyvinyl Chloride	Yellow/Green

Outer Jacket	
Material	PVC - Polyvinyl Chloride
Overall Cable Diameter (Nominal):	37.9 mm (1.49 in)

Electrical Characteristics

Voltage	
Voltage Rating	450/750 V (Max. Operating Voltage), 4000 V (Testing Voltage)

Mechanical Characteristics

Temperature	
Operating	Installation
-5°C to +70°C(Occasional movement)	-40°C to +80°C(Fixed installation)

Bend Radius	
Installation Min.	Flexing Min.
151.6 mm (5.969 in)	568.5 mm (22.38 in)
Bulk Cable Weight:	3208 kg/km (2156 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Sunlight Resistance, UV Resistance, Oil Resistance - EN 50290-2-22 (TM54)
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Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212
ISO/IEC Compliance:	IEC 60228
CENELEC Compliance:	EN 50290-2-22
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
Other Standard Compliance(s):	VDE 0295, DIN VDE 0207-363-4-1, IEC 60227-5, EN 50525-2-51, BS 6360

History

Update and Revision:	Revision Number: 0.46 Revision Date: 11-08-2023
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Part Numbers

Variants

Item #	Color	Length
C5G50 010100M	Black	100 m
C5G50 010200M	Black	200 m
C5G50 010300M	Black	300 m
C5G50 006100M	Blue	100 m
C5G50 006200M	Blue	200 m
C5G50 006300M	Blue	300 m
C5G50 G8U100M	Gray, RAL 7001	100 m
C5G50 G8U200M	Gray, RAL 7001	200 m
C5G50 G8U300M	Gray, RAL 7001	300 m

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