



Product: <u>C4G0.5CY</u> ☑

MachFlex™ 375CY, 3C+1G 0.5 mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

Product Description

MachFlex™ 375CY, 3 Conductor + 1 Ground 0.5 mm² Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Tinned Copper Braid Shield, PVC Outer 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. Tinned copper braid shield ensures cables with excellent noise immunity

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	3	0.5 mm ²	Stranded	Class 5	BC - Bare Copper
Ground	1	0.5 mm ²	Stranded	Class 5	BC - Bare Copper

Insulation

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

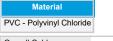
Outer Shield

Shield Type	Material
Braid	Tinned Copper (TC)

Inner Jacket



Outer Jacket



Overall Cable Diameter (Nominal):

7.7 mm (0.30 in)

Electrical Characteristics

Voltage

Voltage Rating
300/500 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

46.2 mm (1.82 in) 15	in) 154 mm (6	(06 in)
10.2 11111 (1.02 111)	134 11111 (6	.00 111)
Bulk Cable Weight:		1/km (50 lb)

Bulk Cable Weight: 88 kg/km (59 lbs/1000ft)

Standards and Compliance

Installation Min. Flexing Min.

Environmental Suitability:	Sunlight Resistance, UV Resistance - EN 50290-2-22 (TM54)	
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: 0.63 Revision Date: 07-12-2024
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Part Numbers

Variants

Item #	Color	Length
C4G0.5CY 010100M	Black	100 m
C4G0.5CY 010200M	Black	200 m
C4G0.5CY 010300M	Black	300 m
C4G0.5CY G8U100M	Gray, RAL 7001	100 m
C4G0.5CY G8U200M	Gray, RAL 7001	200 m
C4G0.5CY G8U300M	Gray, RAL 7001	300 m
C4G0.5CY 368100M	Transparent	100 m
C4G0.5CY 368200M	Transparent	200 m
C4G0.5CY 368300M	Transparent	300 m

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