



Product: <u>3G0.5SY</u> ☑

MachFlex™ 350SY, 2C+1G 0.5mm² Str BC, PVC Ins, PVC Inner Jkt, GSW Brd, PVC Outer Jkt

Product Description

MachFlex™ 350SY VDE Certified, 2 Conductor + 1 Ground 0.5 mm² Stranded Bare Copper, PVC Insulation, PVC Inner Jacket, Galvanized Steel Wire Braid, **PVC Outer Jacket Control Cable**

Technical Specifications

Product Overview

Application for occasional flexing or fixed installation connecting precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting Suitable Applications: tools, auxiliary equipment, motor speed control, production machinery and many morein hash industrial environment.

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	2	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	Black #1, Black #2
Ground	PVC - Polyvinyl Chloride	Yellow/Green

Inner Jacket



Material

Armor

Armor Type & Material SWB - Steel Wire Braid Armor

Outer Jacket

PVC - Polyvinyl Chloride Overall Cable Diameter (Nominal): 7.7 mm (0.30 in)

Electrical Characteristics

Voltage



Mechanical Characteristics

Temperature

Operating	Installation	
-15°C to +70°C (Occasional movement)	-40°C to +80°C(Fixed installation)	

Bend Radius

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Bulk Cable Weight: 82 kg/km (55 lbs/1000ft)

Standards and Compliance

Installation Min. Flexing Min.

Environmental Suitability:	Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54), Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 048233212
Third Party Performance Verification:	VDE Certification No. 40041970, VDE Registration No. 8770
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	VDE 0285-525-2-51, EN 50525-2-51, IEC 60227-5

History

Update and Revision:	Revision Number: 0.53 Revision Date: 03-19-2024
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Part Numbers

Variants

Item #	Color	Length
3G0.5SY 010100M	Black, RAL 9004	100 m
3G0.5SY 010200M	Black, RAL 9004	200 m
3G0.5SY 010300M	Black, RAL 9004	300 m
3G0.5SY G8U100M	Gray, RAL 7001	100 m
3G0.5SY G8U200M	Gray, RAL 7001	200 m
3G0.5SY G8U300M	Gray, RAL 7001	300 m
3G0.5SY 368100M	Transparent	100 m
3G0.5SY 368200M	Transparent	200 m
3G0.5SY 368300M	Transparent	300 m

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