



Product: 2X1.5SY ☑

MachFlex™ 350SY, 2C 1.5 mm² Str BC, PVC Ins, PVC Inner Jkt, GSW Brd, **PVC Outer Jkt**

Product Description

MachFlex™ 350SY VDE Certified, 2 Conductor 1.5 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
ľ	Conductor(s)	2	1.5 mm ²	Stranded	Class 5	BC - Bare Copper

Insulation

Element	Material	Color Code	
Conductor(s)	PVC - Polyvinyl Chloride	Black #1, Black #2	

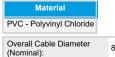
Inner Jacket



Armor

Armor Type & Material SWB - Steel Wire Braid Armor

Outer Jacket



8.8 mm (0.35 in)

Electrical Characteristics

Voltage

Voltage Rating		
300 / 500 V (Max. Operating Voltage)		

Mechanical Characteristics

Temperature

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

Bend Radius

Installation Min. Flexing Min.

52.8 mm (2.08 in) 176 mm (6.93 in)

Bulk Cable Weight:	113 kg/km (75.9 lbs/1000ft)				
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Standards and Compliance

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: 0.27 Revision Date: 03-19-2024

Part Numbers

Variants

Item #	Color	Length
2X1.5SY 010100M	Black, RAL 9004	100 m
2X1.5SY 010200M	Black, RAL 9004	200 m
2X1.5SY 010300M	Black, RAL 9004	300 m
2X1.5SY G8U100M	Gray, RAL 7001	100 m
2X1.5SY G8U200M	Gray, RAL 7001	200 m
2X1.5SY G8U300M	Gray, RAL 7001	300 m
2X1.5SY 368100M	Transparent	100 m
2X1.5SY 368200M	Transparent	200 m
2X1.5SY 368300M	Transparent	300 m

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