Product: 7X25

MachFlex™ 350YY, 7C 25 mm² Str BC, PVC Ins, PVC Jkt

Product Description

MachFlex™ 350YY Control VDE Certified, 7 Conductor 25 mm² Stranded Bare Copper, PVC Insulation, PVC Jacket

Technical Specifications

Product Overview

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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Stranding Class	Material
Conductor(s)	7	25 mm²	Stranded	Class 5	BC - Bare Copper

Insulation

Element	Material	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	Black #1, Black #2, Black #3, Black #4, Black #5, Black #6, Black #7

Outer Jacket

Material
PVC - Polyvinyl Chloride

Overall Cable Diameter (Nominal):	30.6 mm (1.20 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.
122.4 mm (4.819 in)	306 mm (12.0 in)

Bulk Cable Weight:	2279 kg/km (1531 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54)
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212
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, IEC 60227-5, EN 50525-2-51

History

Update and Revision:	Revision Number: 0.47 Revision Date: 03-19-2024

Part Numbers

Variants

Item #	Color	Length
7X25 010100M	Black, RAL 9004	100 m
7X25 010200M	Black, RAL 9004	200 m
7X25 010300M	Black, RAL 9004	300 m
7X25 G8U100M	Gray, RAL 7001	100 m
7X25 G8U200M	Gray, RAL 7001	200 m
7X25 G8U300M	Gray, RAL 7001	300 m

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