



Product: C16X2.5CY ☑

MachFlex™ 375CY, 16C 2.5 mm² Str BC, PVC Ins, PVC Inner Jkt, TCBS, PVC Outer Jkt

Product Description

MachFlex™ 375CY, 16 Conductor 2.5 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)	16	2.5 mm ²	Stranded	Class 5	BC - Bare Copper

Insulation

Element	Material	Color Code		
Conductor(s)	PVC - Polyvinyl Chloride	White, Black, Blue, Brown, Grey, Red, Violet, Pink, Orange, Green, Beige, Black/White, Blue/White, Brown/White, Grey/White, Red/White		

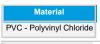
Outer Shield

Shield Type	Material	
Braid	Tinned Copper (TC)	

Inner Jacket



Outer Jacket



Overall Cable Diameter (Nominal):

23.3 mm (0.917 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. F

Flexing Min

139.8 mm (5.504 in) | 466 mm (18.3 in)

Bulk Cable Weight: 864 kg/km (581 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Sunlight Resistance, UV Resistance, Oil 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: 0.36 Revision Date: 07-05-2024

Part Numbers

Variants

Color	Length
Black	100 m
Black	200 m
Black	300 m
Gray, RAL 7001	100 m
Gray, RAL 7001	200 m
Gray, RAL 7001	300 m
Transparent	100 m
Transparent	200 m
Transparent	300 m
	Black Black Black Gray, RAL 7001 Gray, RAL 7001 Gray, RAL 7001 Transparent Transparent

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