

# **Product:** <u>5X1.5NCY</u> ⊠ MachFlex™ 350NCY, 5 C 1.5 mm² Str BC, PVC Ins, TCBS, PVC Outer Jkt

# **Product Description**

MachFlex<sup>TM</sup> Control Cable 350NCY, 5 Conductors 1.5 mm<sup>2</sup> Stranded Bare Copper, PVC Insulation, Tinned Copper Braid Shield, PVC Outer Jacket

## **Technical Specifications**

achFlex 350 NCY

## **Product Overview**

Automation         audiagr equipment, motor speed control, production machinery and many more in noisy industrial environment.           cnstruction Datais		
shakuclor Element No.of Elements Size Stranding Stranding Class Matural Sonductor(s) 5 1.5 mm? Strande Class 5 BC - Bare Copper sulation Element Material Class 6 BC - Bare Copper subtor View Material Class 7 Black #1, Black #2, Black #3, Black #4, Black #6 ster Shield trad Traned Copper (TC) ster Jacket Material Waterial Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Charles Class 7 BC - Bare Copper subtor View Copy Class 7 BC - Bare Copy Class 7 BC - Bare Copper subtor View Class 7 BC - Bare Copy Cl	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 in noisy industrial environment.
Biology No. of Elemanta Size Stranding Circanding Class Material   Bordutor(s) 5 1.5 mm <sup>2</sup> Stranding BC - Bare Copper   sublic   Elemanta Material Color Code   Bordutor(s) PC - Polyming Cholande Black #1, Black #2, Black #3, Black #4, Black #5   Material Color Code   Starbid Timmed Copper (TC)   starbidie   Material Signam (0.35 m)   starbidie   Motor Polyming Cholande 8.9 mm (0.35 m)   starbidie   Starbidie Signam (0.35 m)   starbidie   Starbidie Signam (0.35 m)   starbidie   Signam (0.35 m)   starbidie   Starbidie   starbidie   Signam (0.35 m)   starbidie starbidie<	Construction Detail	ls
banductor(s)       5       1.5 mm²       Standed       Dec Baro Copper         sulation       Element       Material       Color Code         banductor(s)       P/C - Polyviny Chloride       Black #7, B	Conductor	
saladina Element Coro Code bonductor(s) PVC - Polyviny Chloride Black #1, Black #3, Black #3, Black #3, Black #4, Black #5 ater Sheld thild Type Material stad Tinned Copper (TC) ater Jacket Metrial VC - Polyviny Chloride service Charles service Charles service Charles to Cricial Characteristics tertical Characterist	Element No. of Eler	ments Size Stranding Class Material
Einement Material Color Code   Conductor(s) PVC - Polyvinyl Chloride Black #1, Black #2, Black #3, Black #4, Black #5   Heid Type Material   Traned Copper (TC)   Atterial   Traned Copper (TC)   Atterial   Norminal:   8.9 mm (0.35 in) Conductoristics   Polareter   Outpraction   Software Atterial   Outpraction   Voltage Rating   00/ 500 V (Max. Operating Voltage)   Exclanation of the Store C (Fixed installation) Store + Store + Store C (Fixed installation) Store +	Conductor(s) 5	1.5 mm²     Stranded     Class 5     BC - Bare Copper
bandudrofs) PC- Polyvinyl Chloride Black #1, Black #2, Black #3, Black #4, Black #5 Her Shield Tanned Copper (TC) Her Jacket Material YC = Polyvinyl Chloride YC = Polyvinyl Chloride YC = Polyvinyl Chloride YC = Polyvinyl Chloride YC = Polyvinyl Chloride Sector Jacket B s mm (0.35 in ) B s mm (0.35 in )	nsulation	
ter Shield tria Tined Copper (TC) trian a tria	Element Ma	terial Color Code
Maid Type Material   rad Timed Cooper (TG)   user and the field of	Conductor(s) PVC - Poly	vinyl Chloride Black #1, Black #2, Black #3, Black #4, Black #5
aid Timed Copper (TC)   uter Jacket   Material      Vor 100 virtige   8 9 mm (0.35 in)   Retrical Characteristics   Stage   Vortage Rating 00 / 500 V (Max. Operating Voltage) Retrical Characteristics   vortage Rating   Vortage Rating So / 500 V (Max. Operating Voltage)   Retrical Characteristics   Installation   Statemark   Vortage Rating So / 500 V (Max. Operating Voltage)   Retrical Characteristics   Installation   Side number view   Installation Min.   Side num (2.55 kin)   Side num (2.10 kin)   Installation Min.   Side num (2.10 kin)   Installation Min.   Side num (2.10 kin)   Installation Min.   Side num (2.10 kin)   Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Side num (2.10 kin) Installation Min. Installation Min. Side num (2.10 kin) </td <td>Duter Shield</td> <td></td>	Duter Shield	
Matorial   VC - Polyvnyi Chiorie   Nominal):   Retrical Characteristics     Inter Jack Installation   Operating   Operating   Operating   Installation   S*C to +70°C (Continuous movement)   40°C to +80°C (Fixed installation)   ada Radius   Stationary Min.   Installation Min.   33.5 mm (528 bin)   Stationary Min.   Installation Min.   33.5 mm (528 bin)   Stationary Min.   Installation Min.   Stationary Min.   Installation   Stationary Min.   Installation   Stationary Min.   Installation   Stationary Min.   Installation   Installation   Stationary Min.   Installation   Stationary Min.   Installation   Stationary	Shield Type Mater	ial la l
Material   Vol Polyvinyl Otloride     Voltage Call     Nominal::     8.9 mm (0.35 in)     Interficial Characteristics     Voltage Rating     Voltage Nating     Voltage Nati	Braid Tinned Cop	pper (TC)
V2 - Polyvinyl Chloride   Waral Cable Diameter   Nominal):   a. 9 mm (0.35 in)	Duter Jacket	
Norminal:       8.9 mm (0.35 in)         Interface Characteristics         Voltage Rating         00 / 500 V (Max. Operating Voltage)         Interface Characteristics         Interface Characteri	Material	
Nominal): destinit (USB ht) lectrical Characteristics voltage Rating 00 / 500 V (Max. Operating Voltage) lechanical Characteristics merature <u>Operating</u> Installation 5°C to +70°C (Continuous movement) 40°C to +80°C (Fixed installation) and Radius Stationary Min. Installation Min. 33.5 mm (5.256 in) 53.4 mm (2.10 in) sulk Cable Weight: 149 kg/km (100 lbs/1000ft)	PVC - Polyvinyl Chloride	
Voltage Rating           00 / 500 V (Max. Operating Voltage)           International Characteristics           International Characteristics           Importating         Installation           5°C to +70°C (Continuous movement)         40°C to +80°C (Fixed installation)           Stationary Min.         Installation Min.           33.5 mm (5.256 in)         53.4 mm (2.10 in)           Stationary Min.         Installation Min.           31.5 mm (5.256 in)         53.4 mm (2.10 in)	Overall Cable Diameter (Nominal):	8.9 mm (0.35 in)
Voltage Rating         00 / 500 V (Max. Operating Voltage)         dechanical Characteristics         operating       Installation         °C to +70°C (Continuous movement)       40°C to +80°C (Fixed installation)         end Radius         Stationary Min.       Installation Min.         33.5 mm (5.256 in)       53.4 mm (2.10 in)         auk Cable Weight:       149 kg/km (100 lbs/1000ft)	Electrical Characte	ristics
00 / 500 V (Max. Operating Voltage)     chanical Characteristics     operating     Installation     5°C to +70°C (Continuous movement)     40°C to +80°C (Fixed installation)     and Radius     Stationary Min.   Installation Min.   33.5 mm (5.256 in)   53.4 mm (2.10 in)     auk Cable Weight:     149 kg/km (100 lbs/1000ft)	oltage	
Sechanical Characteristics         omperature         Operating       Installation         5°C to +70°C (Continuous movement)       40°C to +80°C (Fixed installation)         6°C Radius       33.5 mm (5.256 in)         Stationary Min.       Installation Min.         33.5 mm (5.256 in)       53.4 mm (2.10 in)         wulk Cable Weight:       149 kg/km (100 lbs/1000ft)	Voltage Rating	
Stationary Min.       Installation Min.         33.5 mm (5.256 in)       53.4 mm (2.10 in)	300 / 500 V (Max. Operation	ng Voltage)
Operating     Installation       6°C to +70°C (Continuous movement)     40°C to +80°C (Fixed installation)       6°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       6°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       6°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       8°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       8°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       8°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       8°C do +80°C (Fixed installation)     40°C to +80°C (Fixed installation)       8°C do +80°C (Fixed installation)     149 kg/km (100 lbs/1000ft)	lechanical Charac	teristics
5°C to +70°C (Continuous movement) 40°C to +80°C (Fixed installation)     and Radius     Stationary Min.   Installation Min.      33.5 mm (5.256 in)     53.4 mm (2.10 in)     auk Cable Weight:     149 kg/km (100 lbs/1000ft)	emperature	
Stationary Min.     Installation Min.       33.5 mm (5.256 in)     53.4 mm (2.10 in)       Bulk Cable Weight:     149 kg/km (100 lbs/1000ft)		
Stationary Min.     Installation Min.       33.5 mm (5.256 in)     53.4 mm (2.10 in)       sulk Cable Weight:     149 kg/km (100 lbs/1000ft)	-5°C to +70°C (Continuous	s movement) 40°C to +80°C (Fixed installation)
33.5 mm (5.256 in)       53.4 mm (2.10 in)         Bulk Cable Weight:       149 kg/km (100 lbs/1000ft)	Bend Radius	
Sulk Cable Weight: 149 kg/km (100 lbs/1000ft)	Stationary Min. Inst	tallation Min.
	133.5 mm (5.256 in) 53.4	4 mm (2.10 in)
tandards and Compliance	Bulk Cable Weight:	149 kg/km (100 lbs/1000ft)
	tandards and Con	npliance

Environmental Suitability:	Indoor, Outdoor, UV Resistance, Oil Resistance - EN 50290-2-22 (TM54)	
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2	
European Directive Compliance:	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	

### **History**

Update and Revision: Revision Number: 0.6 Revision Date: 12-20-2024

#### **Part Numbers**

#### Variants

ltem #	Color	Length
5X1.5NCY 010100M	Black	100 m
5X1.5NCY 010200M	Black	200 m
5X1.5NCY 010300M	Black	300 m
5X1.5NCY 006100M	Blue	100 m
5X1.5NCY 006200M	Blue	200 m
5X1.5NCY 006300M	Blue	300 m
5X1.5NCY G8U100M	Gray, RAL 7001	100 m
5X1.5NCY G8U200M	Gray, RAL 7001	200 m
5X1.5NCY G8U300M	Gray, RAL 7001	300 m

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