

Product: <u>12X0.75</u> ⊠ MachFlex™ 350YY, 12C 0.75 mm² Str BC, PVC Ins, PVC Jkt

Product Description

MachFlex™ 350YY Control VDE Certified, 12 Conductor 0.75 mm² Stranded Bare Copper, PVC Insulation, PVC Jacket

Technical Specifications

Product Overview

	Product Overview	
Andration No. of Elements No. of Clements No. of Clements<	Suitable Applications:	
No. of Element Size Stranded Stranded Mode Sorductor(a) 12 0.75 mm ² Stranded BC - Bare Cooper subic Element Material Color Code Conductor(a) PVC - Poly(m) Choinel Back #1, Black #2, Black #4, Black #6, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #6, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #6, Black #6, Black #6, Black #0, Black #0, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #6, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1, Black #1, Black #1, Black #2, Black #0, Black #0, Black #0, Black #1,	Construction Details	
Sanductor (s) 12 0.75 mm² Strande Color Code Subscription Material Color Code Sanductor (s) PVC - Poly/unit/ Chorde Black #1. Black #3. Black #3. Black #4. Black #5. Black #7. Black #9. Black #10. Black #11. Bl	Conductor	
Subin Subject Color Code Element Material Color Code Social Color PVC - Polying Chonde Black #3, Black #3, Black #6, Black #6, Black #7, Black #0, Black #11, Black #12 Material PVC - Polying Chonde Black #1, Black #2, Black #3, Black #6, Black #6, Black #7, Black #8, Black #0, Black #11, Black #11, Black #12 Material PVC - Polying Chonde Black #1, Black #2, Black #3, Black #6, Black #6, Black #7, Black #8, Black #10, Black #11, Black #11, Black #11, Black #12 Vor. Polying Chonde PVC - Polying Chonde PVC - Polying Chonde PVC - Polying Chonde PVC - Polying Chonde PVC - Polying Chonde Nominal: 10.2 mm (0.402 m) PVC - Polying Chonde PVC - Polying Chonde Voltage Rating 10.2 mm (0.402 m) PVC - Polying Chonde PVC - Polying Chonde Motorial To		
Etement Material Color Code Conductor(s) PVC - Polyvinyl Chloride Black #1, Black #2, Black #3, Black #10, Black #11, Black #12 International conductor(s) PVC - Polyvinyl Chloride Black #1, Black #3, Black #10, Black #11, Black #12 International conductor(s) International conductor(s) International conductor(s) International conduco	Conductor(s) 12	0.75 mm² Stranded Class 5 BC - Bare Copper
Conductor(s) PVC - Polyhymy Chiende Black #1, Black #2, Black #3, Black #4, Black #5, Black #6, Black #7, Black #0, Black #10, Black #11, Black #12 Use a conductor is a conductor	nsulation	
uter Jacket Motional Weight 10.2 mm (0.402 in) Verail Cable Diameter 10.2 mm (0.402 in) Installation Characteristics Installation Voltage Rating Voltage Rating 1000500 V (Max. Operating Voltage) Installation Installation Min. Flexing Min. 15°C to +70°C(Occessional movement) 40°C (Fixed installation) and Radius Installation Installation Min. Flexing Min. 10.2 mm (1.81 in) 102 mm (4.02 in) attactable Weight: 167 Kaykm (112 bar/1000R) tandards and Compliance Information (Installation) invormental Sultability: I		
Material Non-inal Non-inal <td< td=""><td>Conductor(s) PVC - Polyviny</td><td>Diack #1, Diack #2, Diack #3, Diack #4, Diack #5, Diack #0, Diack #7, Diack #6, Diack #9, Diack #10, Diack #11, Diack #12</td></td<>	Conductor(s) PVC - Polyviny	Diack #1, Diack #2, Diack #3, Diack #4, Diack #5, Diack #0, Diack #7, Diack #6, Diack #9, Diack #10, Diack #11, Diack #12
V- Palying (Chorde 0.2 mm (0.402 in) Identical Characteristics Identical Characteristics Identical Characteristics Identical Characteristics Identical Characteristics Identical Characteristics Identical Characteristics Identical Characteristics Installation	Duter Jacket	
Varial Cable Diamet 0.2 mm (0.402 in) Incrical Characteristics Incrical Characteristics Voltage Rating 000500 V (Max: Operating Voltage) Inchanical Characteristics Inchanical Characteristics Inchanical Characteristics Inchanical Characteristics Inchanical Characteristics Installation 15°C to +70°C(Occasional movemet) 40°C to +80°C(Fixed installation) 15°C to +70°C(Occasional movemet) 40°C to +80°C(Fixed installation) 16°C movemet Installation fixed movemet 16°C to +70°C(Occasional movemet) 40°C to +80°C(Fixed installation) 16°C movemet Installation fixed movemet 10°C movemet Installation fixed movemet 10°C movemet Installation fixed movemet 10°C movemet 10°C movemet 10°C movemet 10°C movemet 10°C splice/incomet 10°C splice/incomet 10°C splice/incomet 10°C splice/incomet 10°C splice/incomet		
Indext of the section of the sectio	Overall Cable Diameter	10.2 mm (0.402 in)
Voltage Rating 1000/500 V (Max. Operating Voltage) Bechanical Characteristics Installation Service	(Nominal):	
Voltage Rating to0/500 V (Max. Operating Voltage) lechanical Characteristics semperature Operating Installation 15°C to +70°C(Occasional movement) -40°C to +80°C(Fixed installation) end Radius Installation Min Flexing Min. 10.8 mm (1.61 in) 102 mm (4.02 in) Bauk Cable Weight: 167 kg/km (112 lbs/1000ft) tandards and Compliance 167 kg/km (112 lbs/1000ft) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Sammability / Reaction to IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212 Third Party Performance VDE Contification No. 400/4020, VDE Resistancion No. 8270	Electrical Characteris	tics
Voltage Rating to0/500 V (Max. Operating Voltage) lechanical Characteristics semperature Operating Installation 15°C to +70°C(Occasional movement) -40°C to +80°C(Fixed installation) end Radius Installation Min Flexing Min. 10.8 mm (1.61 in) 102 mm (4.02 in) Bauk Cable Weight: 167 kg/km (112 lbs/1000ft) tandards and Compliance 167 kg/km (112 lbs/1000ft) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Sammability / Reaction to IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212 Third Party Performance VDE Contification No. 400/4020, VDE Resistancion No. 8270	/oltage	
International Characteristics Importative Importative Internation Min. Installation Min. <tr< td=""><td>-</td><td></td></tr<>	-	
Operating Installation 15°C to +70°C(Occasional movement) -40°C to +80°C(Fixed installation) end Radius -40°C to +80°C(Fixed installation) end Radius	300/500 V (Max. Operating Vo	oltage)
Operating Installation 15°C to +70°C(Occasional wovement) -40°C to +80°C(Fixed installation) end Radius -40°C to +80°C(Fixed installation) end Radius	Mechanical Character	ristics
Operating Installation 15°C to +70°C(Occasional wovement) -40°C to +80°C(Fixed installation) end Radius -40°C to +80°C(Fixed installation) end Radius	Cemperature	
end Radius Installation Min. Flexing Min. 10.8 mm (1.61 in) 102 mm (J.02 in) Stark Cable Weight: 167 kg/km (112 lbs/1000ft) tandards and Compliance Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Ind	-	Installation
Installation Min. Flexing Min. 10.8 mm (1.61 in) 102 mm (J.02 in) 3ulk Cable Weight: 167 kg/km (112 lbs/1000ft) tandards and Compliance Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Ich and Party Performance VDE Castification No. 40041970, VDE Registration No. 8770	-15°C to +70°C(Occasional m	ovement) -40°C to +80°C(Fixed installation)
H0.8 mm (1.61 in) 102 mm (4.02 in) Bulk Cable Weight: 167 kg/km (112 lbs/1000ft) tandards and Compliance	Bend Radius	
Bulk Cable Weight: 167 kg/km (112 lbs/1000ft) tandards and Compliance Environmental Suitability: Indoor, Outdoor, Oil Resistance - EN 50290-2-22 (TM54) Iammability / Reaction to Fire: IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212 Third Party Performance VDE Cartification No. 40041970, VDE Registration No. 8770	Installation Min. Flexing	Min.
tandards 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 VDE Cartification No. 40041970, VDE Registration No. 8770	40.8 mm (1.61 in) 102 mm (4	4.02 in)
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 VDE Cartification No. 40041970, VDE Registration No. 8770	Bulk Cable Weight:	167 kg/km (112 lbs/1000ft)
Flammability / Reaction to IEC 60332-1-2, DIN VDE 048233212, DIN EN 6033212	Standards and Compl	liance
Fire: VDE Cartification No. 40041970 VDE Registration No. 8770	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: 0.61 Revision Date: 03-19-2024

Part Numbers

Variants					
Item #	Color	Length			
12X0.75 010100M	Black, RAL 9004	100 m			
12X0.75 010200M	Black, RAL 9004	200 m			
12X0.75 010300M	Black, RAL 9004	300 m			
12X0.75 G8U100M	Gray, RAL 7001	100 m			
12X0.75 G8U200M	Gray, RAL 7001	200 m			
12X0.75 G8U300M	Gray, RAL 7001	300 m			

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.