



Product: UHF3G1.5 ☑

MachFlex[™] High Flex 350YY UL Certified, 2 C + 1 G 1.5 mm² Str BC, PVC Ins, PVC Outer Jkt

Product Description

MachFlex™ High Flex Control 350YY UL Certified, 2 Conductors + Ground 1.5 mm² Stranded Bare Copper, PVC Insulation, PVC Jacket

Technical Specifications

Product Overview

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	1.5 mm ²	Stranded	BC - Bare Copper
Ground	1	1.5 mm ²	Stranded	BC - Bare Copper

Insulation

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

Outer Jacket

Material PVC - Polyvinyl Chlori	ide
Overall Cable Diameter (Nominal):	7.2 mm (0.28 in)

Electrical Characteristics

Voltage

UL Voltage Rating	Voltage Rating		
300 V (Max. Operating Voltage)	300/500 V (Max. Operating Voltage (VDE)), 4000 V (Testing Voltage)		

Mechanical Characteristics

	Operating	Installation		
0°C to +70°C (UL:	+80°C) (Continuous movement)	40°C to +80°C (UL: +80°C) (Fixed installation)		
Table Notes: Drag Chain Performance : 1m Travel Distance, Travel Speed 2m/s, Acceleration Cycles""		n Travel Distance, Travel Speed 2m/s, Acceleration	n 4m/s² ≥ 5,000,000 Cycles; 5m Travel Distance, Travel Speed 3m/s, Acceleration 10m/s² ≥ 200,00	
Bend Radius				
Bend Radius				
	nstallation Min.			
Stationary Min.	nstallation Min. 8.8 mm (1.13 in)			

Standards and Compliance

Environmental Suitability:	UV Resistance, Oil Resistance - EN 50290-2-22 (TM54)	
Flammability / Reaction to Fire:	FT 1 , VW-1, IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2	
AWM Compliance:	AWM 2464, AWM I/II A/B	
ISO/IEC Compliance:	IEC 60228	
CENELEC Compliance:	EN 50363-4-1, EN 50363-3	
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)	
Other Standard Compliance(s):		

Product Notes

Notes:

General Reference Standards : DIN VDE 0245, DIN VDE 0207-363-3, DIN VDE 0473-811-2-1, DIN EN 60811-2-1

History

Update and Revision: Revision Number: 0.5 Revision Date: 10-22-2024

Part Numbers

Item #	Color	Length
UHF3G1.5 010200M	Black	200 m
UHF3G1.5 010300M	Black	300 m
UHF3G1.5 010500M	Black	500 m
UHF3G1.5 006200M	Blue	200 m
UHF3G1.5 006300M	Blue	300 m
UHF3G1.5 006500M	Blue	500 m
UHF3G1.5 G8U200M	Gray, RAL 7001	200 m
UHF3G1.5 G8U300M	Gray, RAL 7001	300 m
UHF3G1.5 G8U500M	Gray, RAL 7001	500 m

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