



# Product: H5X16CH ☑

# MachFlex<sup>™</sup> 610CH, 5 C 16mm<sup>2</sup> Str BC, LSZH Ins, LSZH Inner Jkt, TCBS, LSZH Outer Jkt, UL AWM Style 21115

# **Product Description**

MachFlex™ 610CH, 5 Conductor 16mm<sup>2</sup> Stranded Bare Copper, LSZH Insulation, LSZH Inner Jacket, Tinned Copper Braid Shield, LSZH Outer Jacket, UL AWM Style 21115

## **Technical Specifications**

#### **Product Overview**

#### **Construction Details**

Conductor					
Element	Size	Stranding	Material		
Conductor(s)	16 mm <sup>2</sup>	Class 5	BC - Bare Coppe	er	
Insulation					
Material					Color Code
LSZH - Low Smoke Zero Halogen (Flame Retardant)				Black #1, Black #	#2, Black #3, Black #4, Black #5
Outer Shield					
Shield Type	Ma	terial			
Braid	Tinned C	Copper (TC)			
Outer Jacket					1
		laterial		Nom. Diameter	
LSZH - Low Smoke Zero Halogen (Flame Retardant)				27.40 mm	
Electrical	Charac	teristics			
Electricals					
Max. Co	onductor	DCR			
1.21 Ohm/km	(0.369 OI	hm/1000ft)			
Voltage					

#### Voltage Rating 600/1000 V (IEC:)

#### **Mechanical Characteristics**

#### Temperature

 Operating
 Installation

 25°C to +70°C
 -40°C to +80°C

#### Bend Radius

Installation Min.

Bulk Cable Weight: 1572 kg/km (1056 lbs/1000ft)

#### Standards and Compliance

Environmental	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance, Oil Resistance
Suitability:	
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-3-24, IEC 60332-3-25
AWM Compliance:	AWM 21115
European Halogen Free Standards:	IEC 60754-2 - Halogen Acid Gas Amount - Max. Conductivity = 10 μS/mm, IEC 60754-2 - Halogen Acid Gas Amount - Min. pH = 4.3
European Directive Compliance:	EU Directive 2011/65/EU (RoHS 2)

## History

Update and	Revision Number: 0.18 Revision Date: 07-05-2024
Revision:	Revision Number. 0.10 Revision Date. 07=03=2024

#### **Part Numbers**

#### Variants

ltem #	Color	Length
H5X16CH 010100M	Black, RAL 9005	100 m
H5X16CH 010200M	Black, RAL 9005	200 m
H5X16CH 010305M	Black, RAL 9005	305 m
H5X16CH G8U100M	Gray, RAL 7001	100 m
H5X16CH G8U200M	Gray, RAL 7001	200 m
H5X16CH G8U305M	Gray, RAL 7001	305 m
H5X16CH 003100M	Orange, RAL 2003	100 m
H5X16CH 003200M	Orange, RAL 2003	200 m
H5X16CH 003305M	Orange, RAL 2003	305 m

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