



Product: H5X16CH ☑

MachFlex[™] 610CH, 5 C 16mm² Str BC, LSZH Ins, LSZH Inner Jkt, TCBS, LSZH Outer Jkt, UL AWM Style 21115

Product Description

MachFlex™ 610CH, 5 Conductor 16mm² 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 ²	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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