



Product: H4G4CH ☑

MachFlex[™] 610CH, 3+1G C 4mm² Str BC, LSZH Ins, LSZH Inner Jkt, TCBS, LSZH Outer Jkt, UL AWM Style 21115

Product Description

MachFlex™ 610CH, 3 Conductor + 1 Ground 4mm² Stranded Bare Copper, LSZH Insulation, LSZH Inner Jacket, Tinned Copper Braid Shield, LSZH Outer Jacket, UL AWM Style 21115

Technical Specifications

Product Overview

Suitable Applications: Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more. Tinned copper braid shield ensures cables with excellent noise immunity. Utilizing LSZH material emits limited smoke and no halogen when exposed to high sources of heat. It can considerably reduce the amount and density of the smoke, toxic and corrosive gas emitted during a fire, enable easier evacuation as well as safer firefighting operations.

Construction Details

Conductor

Element	Size	Stranding	Material
Conductor(s)	4 mm²	Class 5	BC - Bare Copper
Ground	4 mm²	Class 5	BC - Bare Copper

Insulation

Material	Color Code		
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Black #1, Black #2, Black #3, Green/Yellow		

Outer Shield

Shield Type	Material	
Braid	Tinned Copper (TC)	

Inner Jacket

Material	
LSZH - Low Smoke Zero Halogen (Flame Retardant)	ı

Outer Jacket

	Material	Nom. Diameter	
	LSZH - Low Smoke Zero Halogen (Flame Retardant)	14.64 mm	

Electrical Characteristics

Electricals

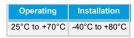
Max. Conductor DCR 4.95 Ohm/km (1.51 Ohm/1000ft)

Voltage



Mechanical Characteristics

Temperature



Bend Radius

Installation Min. 6 x OD

Bulk Cable Weight: 408 kg/km (274 lbs/1000ft)

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance	
Flammability / Reaction to Fire:	FT2, 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:

Part Numbers

Variants

Item #	Color	Length
H4G4CH 010500M	Black, RAL 9005	500 m
H4G4CH 0101000M	Black, RAL 9005	1,000 m
H4G4CH G8U500M	Gray, RAL 7001	500 m
H4G4CH G8U1000M	Gray, RAL 7001	1,000 m
H4G4CH 003500M	Orange, RAL 2003	500 m
H4G4CH 0031000M	Orange, RAL 2003	1,000 m

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