



# Product: <u>5P0.5HCH</u> ☑

MachFlex™ LiHCH (TP), 5 Pr 0.5mm² Str BC, PE Ins, TCBS, LSZH Jkt

## **Product Description**

MachFlex M LiHCH (TP) Signal Cables, 5 Pair 0.5mm<sup>2</sup> Stranded Bare Copper, Polyethylene Insulation, Tinned Copper Braid Shield, LSZH Jacket

## **Technical Specifications**

## **Product Overview**

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### **Construction Details**

Conductor					
Element	No. of Elements	Size	Stranding	Material	
Pair(s)	5	0.5 mm <sup>2</sup>	Stranded	BC - Bare Copper	

#### Insulation

Material	Color Code
PE - Polyethylene	1. White & Brown, 2. Green & Yellow, 3. Grey & Pink, 4. Red & Blue, 5.Black & Violet

#### Outer Shield

Shield Type	Material	
Braid	Tinned Copper (TC)	

## Outer Jacket

	Material	
LSZH - Low Smoke	I - Low Smoke Zero Halogen (Flame Retardant)	
Overall Cable Diameter (Nominal):	9.2 mm (0.36 in)	

## **Electrical Characteristics**

#### Voltage

Voltage Rati	ing
500 V (Max. Operating Voltage), 1	500 V (Testing Voltage)

## **Mechanical Characteristics**

## Temperature

Operating	Installation
-5°C to +70°C (Occasional movement)	-40°C to +80°C (Fixed installation)

### Bend Radius

Stationary Min.	Installation Min.	
138 mm (5.43 in)	55.2 mm (2.17 in)	
Bulk Cable Weigh	t: 107 kg/km (71.9	lbs/1000ft)

### **Standards and Compliance**

Environmental Suitability:	UV Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2
ISO/IEC Compliance:	IEC 60228
CENELEC Compliance:	EN 50290-2-23, EN 50290-2-27
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2)
Other Standard Compliance(s):	VDE 0295, BS 6360, VDE 0812, DIN 47100

#### **Product Notes**

Notes:	Smoke/Halogen Properties : IEC 61034-2, IEC 60754-1, IEC 60754-2, VDE 0482-754-1, VDE 0482-754-2
History	

#### History

Variante

Update and Revision:	Revision Number: 0.17 Revision Date: 07-15-2024	
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#### **Part Numbers**

Varialits				
ltem #	Color	Length		
5P0.5HCH 010100M	Black	100 m		
5P0.5HCH 010200M	Black	200 m		
5P0.5HCH 010300M	Black	300 m		
5P0.5HCH 006100M	Blue	100 m		
5P0.5HCH 006200M	Blue	200 m		
5P0.5HCH 006300M	Blue	300 m		
5P0.5HCH F2V100M	Gray, RAL 7032	100 m		
5P0.5HCH F2V200M	Gray, RAL 7032	200 m		
5P0.5HCH F2V300M	Gray, RAL 7032	300 m		

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