



Product: <u>3C2.5HCH</u>

MachFlex™ LiHCH, 3 C 2.5mm² Str BC, PE Ins, TCBS, LSZH Jkt

Product Description

MachFlexTM LiHCH LSZH Control & Signal Cables, 3 Conductor 2.5mm² Stranded Bare Copper, Polyethylene Insulation, Tinned Copper Braid Shield, LSZH Jacket

Technical Specifications

Product Overview

		1.
	Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, pressure gauge, temperature controllers, control	
Suitable	panels, vibration monitoring systems, intelligent security controllers, production machinery and many more. Tinned cooper braid shield ensure the cables with excellent noise immunity. This	
Applications:	LSZH version with UL certification 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				
	No. of Elements		Stranding	
Conductor(s)	3	2.5 mm ²	Stranded	BC - Bare Copper
Insulation				
Material	Color C	odo		
	ene White, Brow			
FL - FOlyeutyle	ane winte, brown	i, Green		
Outer Shield				
Shield Type	Material			
Braid	Tinned Copper (T	C)		
Outer Jacket				
	Material			
LSZH - Low Sr	noke Zero Haloge	n (Flame	Retardant)	
Overall Cable	7.5 mm (0.	30 in)		
Diameter (Norr	iinal):	,		
Electrical C	haracteristic	s		
Electricals				
Nom. Capacita	ance Cond-to-Co	nd Nom	. Capacitano	ce Cond-to-Shield
80 pF/m (24 pF	F/ft)	120 p	oF/m (37 pF/f	ft)
:				
Voltage				_
Voltage Rating				
500 V (Max. Operating Voltage), 1500 V (Testing Voltage)				
Mochanical	Characteria	tice		

Mechanical Characteristics

Temperature

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

Bend Radius

 Installation Min.
 Flexing Min.

 45 mm (1.8 in)
 112.5 mm (4.429 in)

Bulk Cable Weight: 105 kg/km (70.6 lbs/1000ft)

Standards and Compliance

Product Notes

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

Update and Revision:

Revision Number: 0.27 Revision Date: 01-09-2024

Part Numbers

Variants

ltem #	Color	Length
3C2.5HCH 010100M	Black	100 m
3C2.5HCH 010200M	Black	200 m
3C2.5HCH 010300M	Black	300 m
3C2.5HCH 006100M	Blue	100 m
3C2.5HCH 006200M	Blue	200 m
3C2.5HCH 006300M	Blue	300 m
3C2.5HCH F2V100M	Gray, RAL 7032	100 m
3C2.5HCH F2V200M	Gray, RAL 7032	200 m
3C2.5HCH F2V300M	Gray, RAL 7032	300 m

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