



Product: [HKX616](#)

MachFlex™ ONE 610 2X, 1 C 16 mm<sup>2</sup> Str BC, XLPO Ins

### Product Description

MachFlex™ ONE 610 2X, 1 Conductor 16 mm<sup>2</sup> Stranded Bare Copper, XLPO Insulation

### Technical Specifications

#### Product Overview

Suitable Applications:	Designed for applications which Laying in tubes, exposed or buried in plaster, and in closed installation ducts. Suitable for assembling cable harnesses and wiring during switch cabinet installation. These are highly durable & ruggedized cables meeting high flame retardant rating and low smoke and toxicity density.
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#### Construction Details

##### Conductor

Element	Size	Stranding	Material
Conductor(s)	16 mm <sup>2</sup>	Class 5	BC - Bare Copper

##### Insulation

Material	Nom. Insulation Diameter
XLPO - Crosslink Polyolefin	6.9 mm (0.27 in)

#### Electrical Characteristics

##### Voltage

UL Voltage Rating	Voltage Rating
600 V	600 / 1000V (IEC)

#### Mechanical Characteristics

##### Temperature

Operating	Installation
IEC / EN: -35°C to +90°C, UL: -20°C to +105°C (Occasional movement)	IEC / EN: -55°C to +90°C, UL: -30°C to +105°C (Fixed installation)

##### Bend Radius

Installation Min.	Flexing Min.
27.6 mm (1.09 in)	55.2 mm (2.17 in)

Bulk Cable Weight: 171 kg/km (115 lbs/1000ft)

#### Standards and Compliance

Environmental Suitability:	Oil Resistance - EN 50290-2-22 (TM54), Oil Resistance
Flammability / Reaction to Fire:	IEC 60332-1-2, IEC 60332-3-22, DIN VDE 048233212
ISO/IEC Compliance:	IEC 60228
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
Other Standard Compliance(s):	HD 22.9, UL 758, UL 1581, EN 50290-2-26, AS/NZS 5000.1, BS 6360

#### Product Notes

Notes: Smoke Density : IEC 61034, ASTM E-662, Halogen Content : IEC 60754-1, Acid Gas Emission : IEC 60754-2 General Reference Standards : DIN VDE 0295, DIN VDE 0207-363-5, EN 50525-3-41, VDE 0282-9

## History

Update and Revision: Revision Number: 0.30 Revision Date: 09-12-2024

## Part Numbers

### Variants

Item #	Color	Length
HKX616 010100M	Black	100 m
HKX616 010200M	Black	200 m
HKX616 010300M	Black	300 m
HKX616 008100M	Gray	100 m
HKX616 008200M	Gray	200 m
HKX616 008300M	Gray	300 m
HKX616 189100M	Yellow/Green	100 m
HKX616 189200M	Yellow/Green	200 m
HKX616 189300M	Yellow/Green	300 m

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