



**Product:** [HKX450](#)

MachFlex™ ONE 475 2X, 1 C 50 mm² Str BC, XLPO Ins

### Product Description

MachFlex™ ONE 475 2X, 1 Conductor 50 mm² 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)	50 mm²	Class 5	BC - Bare Copper

##### Insulation

Material	Nom. Insulation Diameter
XLPO - Crosslink Polyolefin	12.3 mm (0.484 in)

#### Electrical Characteristics

##### Voltage

UL Voltage Rating	Voltage Rating
600 V	450 / 750 V (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.
49.2 mm (1.94 in)	98.4 mm (3.87 in)

Bulk Cable Weight: 501 kg/km (337 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, H07Z-K, 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: 0.41 Revision Date: 09-12-2024

## Part Numbers

### Variants

Item #	Color	Length
HKX450 010100M	Black	100 m
HKX450 010200M	Black	200 m
HKX450 010300M	Black	300 m
HKX450 008100M	Gray	100 m
HKX450 008200M	Gray	200 m
HKX450 008300M	Gray	300 m
HKX450 189100M	Yellow/Green	100 m
HKX450 189200M	Yellow/Green	200 m
HKX450 189300M	Yellow/Green	300 m

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