



Product: [HKX42.5](#)

MachFlex™ ONE 475 2X, 1 C 2.5 mm² Str BC, XLPO Ins

Product Description

MachFlex™ ONE 475 2X, 1 Conductor 2.5 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)	2.5 mm ²	Class 5	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
XLPO - Crosslink Polyolefin	3.7 mm (0.15 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.
14.8 mm (0.583 in)	29.6 mm (1.17 in)

Bulk Cable Weight: 33 kg/km (22 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
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History

Update and Revision:	Revision Number: 0.5 Revision Date: 09-12-2024
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Part Numbers

Variants

Item #	Color	Length
HKX42.5 010100M	Black	100 m
HKX42.5 010200M	Black	200 m
HKX42.5 010300M	Black	300 m
HKX42.5 008100M	Gray	100 m
HKX42.5 008200M	Gray	200 m
HKX42.5 008300M	Gray	300 m
HKX42.5 189100M	Yellow/Green	100 m
HKX42.5 189200M	Yellow/Green	200 m
HKX42.5 189300M	Yellow/Green	300 m

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