



Product: [HK450](#)

MachFlex™ ONE 475YY, 1 C 50 mm² Str BC, PVC Ins

Product Description

MachFlex™ ONE 475YY, 1 Conductor 50 mm² Stranded Bare Copper, PVC 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.
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Construction Details

Conductor

Element	Size	Stranding	Material
Conductor(s)	50 mm ²	Class 5	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	12.3 mm (0.484 in)

Electrical Characteristics

Voltage

Voltage Rating
450 / 750 V (IEC)

Mechanical Characteristics

Temperature

Operating	Installation
IEC/EN : -20°C to +70°C, UL: -20°C to +105°C (Occasional movement)	IEC/EN : -30°C to +80°C, UL: -30°C to +105°C (UL) (Fixed installation)

Bend Radius

Installation Min.	Flexing Min.
49.2 mm (1.94 in)	98.4 mm (3.87 in)

Bulk Cable Weight:	491.3 kg/km (330.1 lbs/1000ft)
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Standards and Compliance

Environmental Suitability:	Sunlight Resistance, UV Resistance, Oil Resistance - EN 50290-2-22 (TM54), Oil Resistance
Flammability / Reaction to Fire:	VW-1, IEC 60332-1-2, DIN VDE 0482-332-1-2, DIN EN 60332-1-2
ISO/IEC Compliance:	IEC 60228
CENELEC Compliance:	EN 50525-2-31
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	VDE 0281, UL 1581, UL 758, HD 21.3, H07Z-K, BS 6360

Product Notes

Notes: General Reference Standards : DIN VDE 0295, IEC 60227-3, DIN EN 50290-2-21, DIN VDE 0207-363-3

History

Update and Revision: Revision Number: 0.35 Revision Date: 09-12-2024

Part Numbers

Variants

Item #	Color	Length
HK450 010100M	Black	100 m
HK450 010200M	Black	200 m
HK450 010300M	Black	300 m
HK450 008100M	Gray	100 m
HK450 008200M	Gray	200 m
HK450 008300M	Gray	300 m
HK450 136100M	Yellow/Green	100 m
HK450 136200M	Yellow/Green	200 m
HK450 136300M	Yellow/Green	300 m

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