



Product: [HK46](#)

MachFlex™ ONE 475YY, 1 C 6 mm² Str BC, PVC Ins

Product Description

MachFlex™ ONE 475YY, 1 Conductor 6 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)	6 mm ²	Class 5	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	4.9 mm (0.19 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.
19.6 mm (0.772 in)	39.2 mm (1.54 in)

Bulk Cable Weight: 71 kg/km (48 lbs/1000ft)

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
AWM Compliance:	AWM 10669
ISO/IEC Compliance:	IEC 60228
GENELEC 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
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Product Notes

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

Update and Revision:	Revision Number: 0.33 Revision Date: 09-12-2024
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Part Numbers

Variants

Item #	Color	Length
HK46 010100M	Black	100 m
HK46 010200M	Black	200 m
HK46 010300M	Black	300 m
HK46 008100M	Gray	100 m
HK46 008200M	Gray	200 m
HK46 008300M	Gray	300 m
HK46 136100M	Yellow/Green	100 m
HK46 136200M	Yellow/Green	200 m
HK46 136300M	Yellow/Green	300 m

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