



Product: [HKX61.5](#)

MachFlex™ ONE 610 2X, 1 C 1.5 mm² Str BC, XLPO Ins

Product Description

MachFlex™ ONE 610 2X, 1 Conductor 1.5 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. |
|------------------------|--|

Construction Details

Conductor

| Element | Size | Stranding | Material |
|--------------|---------------------|-----------|------------------|
| Conductor(s) | 1.5 mm ² | Class 5 | BC - Bare Copper |

Insulation

| Material | Nom. Insulation Diameter |
|-----------------------------|--------------------------|
| XLPO - Crosslink Polyolefin | 2.9 mm (0.11 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. |
|--------------------|--------------------|
| 11.6 mm (0.457 in) | 23.2 mm (0.913 in) |

Bulk Cable Weight: 20 kg/km (13 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

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|--------|---|
| 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: 0.28 Revision Date: 09-12-2024 |
|----------------------|---|

Part Numbers

Variants

| Item # | Color | Length |
|-----------------|--------------|--------|
| HKX61.5 010100M | Black | 100 m |
| HKX61.5 010200M | Black | 200 m |
| HKX61.5 010300M | Black | 300 m |
| HKX61.5 008100M | Gray | 100 m |
| HKX61.5 008200M | Gray | 200 m |
| HKX61.5 008300M | Gray | 300 m |
| HKX61.5 189100M | Yellow/Green | 100 m |
| HKX61.5 189200M | Yellow/Green | 200 m |
| HKX61.5 189300M | Yellow/Green | 300 m |

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