



Product: [HK435](#)

MachFlex™ ONE 475YY, 1 C 35 mm² Str BC, PVC Ins

Product Description

MachFlex™ ONE 475YY, 1 Conductor 35 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.
------------------------	---

Construction Details

Conductor

Element	Size	Stranding	Material
Conductor(s)	35 mm ²	Class 5	BC - Bare Copper

Insulation

Material	Nom. Insulation Diameter
PVC - Polyvinyl Chloride	10.1 mm (0.398 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.
40.4 mm (1.59 in)	80.8 mm (3.18 in)

Bulk Cable Weight: 342.19 kg/km (229.94 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
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
HK435 010100M	Black	100 m
HK435 010200M	Black	200 m
HK435 010300M	Black	300 m
HK435 008100M	Gray	100 m
HK435 008200M	Gray	200 m
HK435 008300M	Gray	300 m
HK435 136100M	Yellow/Green	100 m
HK435 136200M	Yellow/Green	200 m
HK435 136300M	Yellow/Green	300 m

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.