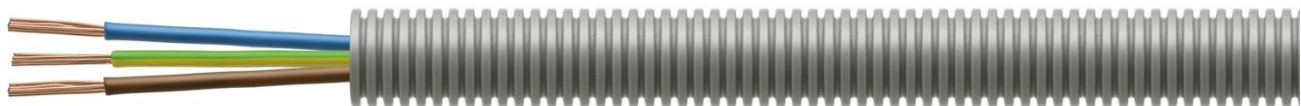




PREWIRED CONDUIT WITH ENERGY H07Z1-R



MonFlex is a prewired corrugated polypropylene conduit ready to use.

MonFlex, thanks to its innovative technology that eliminates the need for cable insertion into the conduit, offers up to 50% savings during the installation phase, allowing a single installer to independently complete the entire electrical system. Another advantage over traditional methods is the prevention of accidents such as conduit breakage and difficulties in threading cables. MonFlex is suitable for all types of electrical installations, including traditional walls, liquid concrete, concrete, drywall, movable walls, prefabricated structures, and complex systems. Made entirely of polypropylene, MonFlex is at the forefront compared to the traditional PVC method, ensuring low smoke emissions and the absence of halogen gases, benefiting the environment and people's health.

Benefits.

Eliminates the threading phase

- Labor cost savings, a single operator needed
- Save time
- Adopts an innovative LSZH (Low Smoke Zero Halogen) technology for safe evacuation.
- Prevent accidents and inconveniences on the construction site
- Ideal for every electrical installation
- Waterproof without micro-holes for liquid concrete

TECHNICAL SPECIFICATIONS

Material

Flexible and self-recovering polypropylene, self-extinguishing, non-flame propagating

Colors

GREY RAL 7035
GREY RAL 7037
GREEN RAL 6018
GREEN RAL 6021
BLACK
BLUE 5012

* Other colors on request



Compression resistance

3422-3342 | 750 Nw
3432 | 1000 Nw

Resistance to impact

3422-3432 | 6J - Pesante
3342 | 2J - Medio

Operating temperature

3422 | *-5° / + 90°
3432 | *-15° / + 90°
3342 | *-25° / + 90°

Standards

LS - LOW SMOKE:

IEC 60754-1; IEC 60754-2 ; IEC 10304-1

OH - ZERO HALOGEN:

IEC 60754-1; IEC 60754-2 ; IEC 10304-1

FIRE RESISTANCE:

EN 61386.1, EN 61386.2

Certifications

ICTA 34223

ICTA 33423

34323 (1000 Nw)

Applications

Indoor • YES

Outdoor • NO

Exposed installations • NO

Liquid cement and concrete • YES

Chased wall - Plasterboard • YES

Underfloor • YES

False ceiling- Movable wall • YES

Prefab - Wood panels • YES



WWW.MONPLAST.IT

CABLE THECNICAL

Type: H07Z1-R

CPR: Dca -s2,d2,a2

Conductor:

class 2, stranded wire, plain copper

Isolamento:

LSOH thermoplastic, TI7 quality

Colors:

black, blue, brown, grey, orange, pink, red, violet, white, yellow, green, yellow/green.

*other colors.



Functional feautures

Rated voltage

450/750 V

Operating temperature

-10° / +70°

Installation condition:

- Minimum installation temperature: 5°C
- Reccommended minimum bending radius: 6 times the cable diameter
- Recommended maximum tensile stress: 50 N/mm² of the cross-section of the copper.

Particularly suitable in environments with a high presence of people, where special performances are required in case of fire or when local conditions or regulations demand increased levels of public safety, low levels of smoke, toxic, and corrosive gas emissions.

In accordance with Regulation (EU) 305/2011 on Construction Products and Standard EN 50575, given its properties of limiting fire development and harmful smoke, the cable is suitable for providing electrical power in buildings and other civil engineering works.

FORMATION

CONDUIT: Ø16

2×1,5 | 3×2,5 | 1×6
3×1,5 | 3X2,5+1X1,5
4×1,5 | 3X2,5+2X1,5
5×1,5 | 4×2,5
6×1,5 | 5×2,5

CONDUIT: Ø20

2×1,5 | 3×2,5 | 3×4 | 1×6
3×1,5 | 3X2,5+1X1,5 | 3×6
4×1,5 | 3X2,5+2X1,5
5×1,5 | 4×2,5
6×1,5 | 5×2,5
7×1,5
8×1,5

CONDUIT: Ø25

2×1,5 | 3X2,5+1X1,5 | 3×4 | 1×6
3×1,5 | 3X2,5+2X1,5 | 5×4 | 3×6
4×1,5 | 4×2,5 | 5×6
5×1,5 | 5×2,5
6×1,5
7×1,5
8×1,5
9×1,5
10×1,5

PACKAGING

STANDARD (25 / 50 / 100 Mt) ROLLS

Ø 16
Roll 25 Mt – Pallet 1575
Roll 50 Mt – Pallet 3150
Roll 100 Mt – Pallet 2800

Ø 20
Roll 25 Mt – Pallet 2250
Roll 50 Mt – Pallet 2100
Roll 100 Mt – Pallet 2400

Ø 25
Roll 25 Mt – Pallet 1125
Roll 50 Mt – Pallet 1575
Roll 100 Mt – Pallet 2000

WOODEN REELS (250 / 300 Mt)

Ø 16
Reel 250 Mt – Pallet 3000
Reel 300 Mt – Pallet 3600

Ø 20
Reel 250 Mt – Pallet 2000
Reel 300 Mt – Pallet 2400

Ø 25
Reel 300 Mt – Pallet 600

BIG ROLLS

Ø 16
Up to 1000 Mt

Ø 20
Up to 900 Mt

Ø 25
Up to 600 Mt