



Nexans Ref.: 10574201
Country Ref.: 1092547
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FIRE PERFORMANCE CLASS



D_{ca}-s2,d2,a2

Halogen-free corrugated installation PP conduit. H07Z1-R (FQ EASY) is a halogen free, HFFR insulated house wiring cable. The cable is made of low friction insulation material and class 2 stranded wires.

STANDARDS

Product EN 50525-3-31

Test IEC 60332-1-2; IEC 60754; IEC 61034

Pre-wired FQ/IX Easy™ in 16 mm corrugated conduit. H07Z1-R (FQ/IX Easy™) is a halogen-free, HFFR-insulated house wiring cable with extremely low-friction material and a circular stranded copper conductor. The cable meets fire requirements according to CPR class D_{ca}s2d2a2. In the event of a fire, the cable emits no corrosive gases and has little smoke. FQ Easy™ is approved by Intertek.

The halogen-free PP (polypropylene) corrugated conduits are intended for recessed installation, laying on cable ladders and casting in concrete. The product will be delivered in a flexible and user-friendly packaging, Cable Guy, that simplifies the installation work significantly, alternatively on the cable drum that fits in Nexans' drum trolley, Cable Walker.

Colour combinations:

- 3 cores: Brown - blue - green/yellow
- 4 cores: Brown - blue - black - green/yellow
- 5 cores: Brown - blue - black - grey - green/yellow
- 6 cores: Brown - blue - black - grey - white - green/yellow
- 7 cores: Brown - blue - black - grey - white - orange - green/yellow



Conductor flexibility
Stranded class 2



Lead free
Yes



Rated Voltage U_o/U_m (Um)
450/750 V



Flame retardant
IEC 60332-1



Max. conductor temp. in service
70 °C



RoHS compliant
Yes

CHARACTERISTICS

Construction characteristics

Conductor flexibility	Stranded class 2
Conductor material	Copper class 2
Conductor shape	Circular
Conduit colour	Grey
Core identification	Blue, brown, green / yellow
Insulation	Halogen free compound
Lead free	Yes
Type of conductor	Stranded, class 2
With Green/Yellow core	Yes

Dimensional characteristics

Approximate weight	14.4 kg/100m
Conductor diameter	2.0 mm
Approximate weight	144 kg/km
Conductor cross-section	2.5 mm ²
Conduit diameter	16 mm
Nominal outer diameter	3.6 mm
Number of cores	3

Electrical characteristics

Rated Voltage U ₀ /U (Um)	450/750 V
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Mechanical characteristics

Conduit cold impact (IEC-EN 61386-1)	-25 °C
Conduit compression resistance (ICTA-3)	750 N

Usage characteristics

Conduit fire resistance (IEC-EN 61386-1)	Yes
Flame retardant	IEC 60332-1
Length	100 m
Max. conductor temperature in service	70 °C
RoHS compliant	Yes

ENVIRONMENTAL DATA

This product is part of the **low carbon** range of Nexans : a selection of products ensuring the reduction of the carbon footprint and subject to rigorous ecodesign criteria.

Nexans Low Carbon Selection Criteria: minimum integration of 10% recycled copper or aluminum and/or 100% low-carbon aluminum sourcing.

Global Carbon Footprint

501.7 kg

- Amount of CO₂ emitted Cradle to Gate phase (raw material collection and manufacturing), for the production of 1 km of cable.