

FFKu-EL-F-LS0H

23232



Product description:

FFKu-EL-F-LS0H Low Smoke is a light-duty corrugated conduit made of special plastic, available in black (RAL 9005), non-flame propagating, halogen-free.

This corrugated plastic conduit is used for concealed and cavity wall installations. The advantage is very little development of smoke gas. Escape routes can be found more quickly. Since they are halogen-free, no dangerous toxic and corrosive gases are produced.



EN 61386-22 / Minimum compressive strength: 320 N/5 cm  
 Halogen-free according to EN 50642  
 Testing of hydrohalic acids according to EN 60754-1  
 Corrosiveness according to EN 60754-2  
 Determination of smoke gas density according to EN 61034-2



Special features

Halogen-free corrugated conduits are marked with a continuous white stripe.

| Cat. No.:  | Type | Inside Ø<br>mm | Outside Ø<br>mm | Content | PU | Weight<br>PU/kg | Pallet<br>content m | Bend radius<br>> mm |
|------------|------|----------------|-----------------|---------|----|-----------------|---------------------|---------------------|
| 241 10 016 | 16   | 10,1           | 16              | 100     | m  | 3,200           | 2.800               | 60                  |
| 241 10 020 | 20   | 14,4           | 20              | 100     | m  | 5,000           | 2.000               | 80                  |
| 241 10 025 | 25   | 18,5           | 25              | 50      | m  | 3,250           | 1.200               | 100                 |
| 241 10 032 | 32   | 24,5           | 32              | 50      | m  | 4,500           | 800                 | 130                 |
| 241 10 040 | 40   | 31,5           | 40              | 25      | m  | 3,000           | 500                 | 170                 |
| 241 10 050 | 50   | 39,5           | 50              | 25      | m  | 3,825           | 400                 | 220                 |
| 241 10 063 | 63   | 50,5           | 63              | 25      | m  | 4,750           | 150                 | 250                 |

| Classification             | Code | Meaning                | Classification            | Code | Meaning                  |
|----------------------------|------|------------------------|---------------------------|------|--------------------------|
| Compressive strength       | 2    | light (320 N)          | Protection against solids | 4    | Foreign matter >= 1.0 mm |
| Impact strength            | 3    | medium (2.0 kg/100 mm) | Protection against water  | 0    | Not specified            |
| Minimum temperature        | 2    | - 5 °C                 | Corrosion protection      | 0    | Not specified            |
| Maximum temperature        | 3    | + 105 °C               | Tensile strength          | 0    | Not defined              |
| Bending behaviour          | 2    | pliable                | Fire behaviour            | 1    | Non flame propagating    |
| Electrical characteristics | 2    | Insulation             | Suspended load            | 0    | Not defined              |

Standardisation

EN 61386-1:2008 + A1:2019 Conduit systems for cable management - Part 1: General requirements / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

EN IEC 61386-22:2021 Conduit systems for cable management - Part 22: Particular requirements - Pliable conduit systems / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

Outside diameter according to DIN EN 60423 / IEC 60423  
 All dimensions without tolerances are for information only.

| Material properties   |                   |   |
|-----------------------|-------------------|---|
| Zero halogen          | EN 50642          | • |
| Low smoke             | DIN EN 61034-2    | • |
| Non-flame propagating | DIN EN 61386-1    | • |
| UV-resistant          | DIN EN ISO 4892-1 |   |
| Highspeed             |                   |   |

| Fields of application    |   |                            |
|--------------------------|---|----------------------------|
| on plaster               | • | machines                   |
| under plaster            | • | hot asphalt                |
| on wood                  | • | under screed               |
| underground installation |   | prefabricated construction |
| in concrete              |   | outdoor                    |

Chemical properties

|                        |   |
|------------------------|---|
| Resistant to           | hydrochloric acid emissions, sulphuric acid emissions, liquid ammonia, gaseous ammonia, beer, diesel fuel, aqueous fertiliser salt, photographic developer, vinegar (wine vinegar), anti-freeze, fruit juices, aqueous uric acid, fuel oil, sea water, methanol, milk, mineral oil, vegetable and animal oils, paraffin, gaseous propane, hydrochloric acid, sulfuric acid, detergent |
| Limitedly resistant to | gasoline, benzene, nitric acid  |
| Not resistant to       | gaseous dry chlorine, terpentine  |

Accessories

|                    |            |            |
|--------------------|------------|------------|
| Push-fit coupling  | RMKu-E-H0  | 259 10 ... |
| Push-fit coupling  | SMSKu-E-H0 | 231 50 ... |
| Clamp              | clipfix-H0 | 231 70 ... |
| Threaded connector | E-Lock     | 259 58 ... |

Risk analysis

The product has been manufactured and tested according to the harmonized standards 61386-1 and 61386-22 in the sense of harmonization legislation of the EU. All safety-relevant tests have been adhered to. This product poses no further risk.

Hotline

Since technical developments cannot be foreseen, electrical installations should provide the possibility to be expanded at any time.

Information can be obtained from our technical consultants at +49 9525 88-8123

