



Product description:

FPKu-EM-F-H0 is a medium duty straight length special plastic conduit, in grey (RAL 7035), non-flame propagating, in lengths of 3 m, with one pre-moulded coupling.

This straight length plastic conduit is used for all standard exposed installations, in particular for exposed installations in industry and plant engineering. An advantage is that it does not contain halogens which avoids the formation of dangerous toxic and corrosive gases.



VDE 0605
DIN EN 61386-21
100 % zero halogen according to DIN VDE V 0604-2-100
minimum compressive strength: 750 N/5 cm



Special features

This product is suited for the installation of circuit integrity cables (E30/ E60/ E90) and has been tested in the system.

| Cat. No.: | Type | Inside Ø mm | Outside Ø mm | Content | PU | Weight PU/kg | Pallet content m |
|------------|------|-------------|--------------|---------|----|--------------|------------------|
| 232 10 016 | 16 | 13,0 | 16 | 111 | m | 7,548 | 7.992 |
| 232 10 020 | 20 | 16,8 | 20 | 111 | m | 10,878 | 4.995 |
| 232 10 025 | 25 | 21,5 | 25 | 57 | m | 7,410 | 3.135 |
| 232 10 032 | 32 | 28,0 | 32 | 57 | m | 10,260 | 2.052 |
| 232 10 040 | 40 | 35,5 | 40 | 21 | m | 5,145 | 1.407 |
| 232 10 050 | 50 | 45,2 | 50 | 21 | m | 7,560 | 798 |
| 232 10 063 | 63 | 57,8 | 63 | 21 | m | 10,080 | 504 |

| Classification | Code | Meaning | Classification | Code | Meaning |
|----------------------------|----------|------------------------|---------------------------|----------|--------------------------|
| Compressive strength | 3 | medium (750 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 | 5 | - 45 °C | Corrosion protection | 0 | Not specified |
| Maximum temperature | 2 | + 90 °C | Tensile strength | 0 | Not defined |
| Bending behaviour | 1 | rigid | Fire behaviour | 1 | Non flame propagating |
| Electrical characteristics | 2 | Insulation | Suspended load | 0 | Not defined |

Standardisation

EN 61386-1:2009 Conduit systems for cable management - Part 1: General requirements / Source: Official Journal of the European Union of 16 May 2014 / Applied in full

EN 61386-21:2011 Conduit systems for cable management - Part 21: Particular requirements - Rigid 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.

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Subject to change without notice.

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| Material properties | | Fields of application | |
|------------------------------|-----------------------------|--------------------------|-------------------------------------|
| Zero halogen | DIN VDE V 0604-2-100 | • on plaster | • machines |
| Low smoke | DIN EN 61034-2 | • under plaster | • hot asphalt |
| Non-flame propagating | DIN EN 61386-1 | • on wood | • under screed |
| UV-resistant | DIN 53387 | underground installation | • prefabricated construction |
| Highspeed | | in concrete | • outdoor |

| Chemical properties | |
|-------------------------------|--|
| Resistant to | liquid ammonia, gaseous ammonia, gaseous dry chlorine, photographic developer, vinegar (wine vinegar), aqueous uric acid, sea water, nitric acid, hydrochloric acid, sulfuric acid |
| Limitedly resistant to | hydrochloric acid emissions, sulphuric acid emissions, gasoline, beer, diesel fuel, methanol, milk, mineral oil, vegetable and animal oils, detergent |
| Not resistant to | - |

| Accessories | | |
|-------------------|-------------|------------|
| Push-fit coupling | SMSKu-E-H0 | 231 50 ... |
| Push-fit elbow | SBSKu-EM-H0 | 232 60 ... |
| Clamp | clipfix-H0 | 231 70 ... |

Risk analysis

The product has been manufactured and tested according to the harmonized standards 61386-1 and 61386-21 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

