



# HALOGEN FREE CONDUITS

## FORTE RIGID HFFR HEAVY TYPE 1250N

### TECHNICAL DATA SHEET

|                           |  |                          |                              |
|---------------------------|--|--------------------------|------------------------------|
| Reference                 | Low Voltage Directive LVD 2014/35/EU   |                          |                              |
| Standards                 | EN 61386-1:2008 Cable Management, General requirements<br>EN 61386-21:2004 + A11:2010 RigidConduit Systems   |                          |                              |
| Smoke Density             | DIN EN 61034-2 (VDE0482-1034-2)2014-11:EN 61034-2:2005+A1:2013   |                          |                              |
| Acidity                   | DIN EN 60754-2 (VDE 0482-754-2) : 2015-08 EN 60754-2:2014  |                          |                              |
| Halogen acid gas Amount   | DIN EN 60754-1 (VDE 0482-754-1) : 2015-08 EN 60754-1:2014  |                          |                              |
| Applications              | In Door - Out Door - Residential - Industrial  |                          |                              |
| Installations             | Cable routing Management<br>Exposed - Wall mounted – In Floor – In Concrete<br>Wiring - Power – Lighting – Automation<br>Cable management system with Support and connection accessories |                          |                              |
| Characteristics           | Rigid, Plastic conduits<br>Non Flame propagating - Self Extinguishing<br>In case of fire they don't release Halogen acids<br>(Chlorine, Fluorine, Bromine, Iodine, Astatine)             |                          |                              |
| Structural material       | Modified Thermoplastic Polyolefin  |                          |                              |
| Classification EN 61386-1 | <b>4 4 4 3</b>   |                          |                              |
| Compression resistance    | <b>4</b>   | Compression Force        | 1250N / 5cm                  |
| Impact Resistance         | <b>4</b>   | Mass                     | 2.0 kg                       |
| Temperature Range         | <b>4</b>   | Lower Temperature Range  | - 25 °C                      |
|                           | <b>3</b>   | Higher Temperature Range | + 105 °C                     |
| Bending Resistance        | <b>1</b>   | Rigid                    |                              |
| Electrical Properties     | Dielectric Strength  | 2kv/15min                | Insulation Resistance >100MΩ |
| Color                     | Standard   | Grey- RAL 7035           | UV Resistance LR             |



|                                      |                                |                                |                                |                                |
|--------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| <b>TYPE:</b>                         | <b>16</b>                      | <b>20</b>                      | <b>25</b>                      | <b>32</b>                      |
| <b>CODE:</b>                         | <b>30-210</b><br><b>50-016</b> | <b>30-210</b><br><b>51-020</b> | <b>30-210</b><br><b>52-025</b> | <b>30-210</b><br><b>53-032</b> |
| <b>D<sub>1</sub> External Ø / mm</b> | 16                             | 20                             | 25                             | 32                             |
| <b>D<sub>2</sub> Internal Ø / mm</b> | 11,7                           | 15,5                           | 20,2                           | 27                             |
| <b>Packing / m</b>                   | 150                            | 150                            | 75                             | 75                             |

