

## Specification Sheet

Part Number: 166-90203

Flame retardant material; meets low flammability, smoke and toxicity ratings.

Easy to use and cut; reduces installation time and labor costs.

Flexible, abrasion resistant and durable for a variety of applications.

Good impact strength; recovers quickly if crushed.

Rated UL94 V0.

UV resistant; suitable for use in outdoor applications.

Offered in fine or course corrugated pitch.



HelaGuard® Non-Metallic Conduit, Flame Retardant, Std Wt, 0.50" Dia, PA6-FR, Bk, 100 ft/Std. Reel

|                |            |
|----------------|------------|
| Article Number | 166-90203  |
| Type           | HG-FR0500  |
| Color          | Black (BK) |
| Quantity Per   | pack       |

|                                |                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description            | A standard weight corrugated conduit made of a flame retardant material for use in applications in which high fire protection and low flammability are primary requirements. Easy to cut and use, the material is highly resistant to solvents and oils. Combine with HelaGuard Non-Metallic Fittings for IP66 rating or greater protection against water, wind and dirt. |
| Short Description              | HelaGuard® Non-Metallic Conduit, Flame Retardant, Std Wt, 0.50" Dia, PA6-FR, Bk, 100 ft/Std. Reel                                                                                                                                                                                                                                                                         |
| Global Part Name               | HG-FR0500-PA6FR-BK                                                                                                                                                                                                                                                                                                                                                        |
| Length L (Imperial)            | 100.0                                                                                                                                                                                                                                                                                                                                                                     |
| Length L (Metric)              | 30.5                                                                                                                                                                                                                                                                                                                                                                      |
| Inner Diameter D (Imperial)    | 0.66                                                                                                                                                                                                                                                                                                                                                                      |
| Inner Diameter D (Metric)      | 16.7                                                                                                                                                                                                                                                                                                                                                                      |
| Outside Diameter OD (Imperial) | 0.84                                                                                                                                                                                                                                                                                                                                                                      |
| Outside Diameter OD (Metric)   | 21.2                                                                                                                                                                                                                                                                                                                                                                      |
| Nominal Diameter (Imperial)    | 0.5                                                                                                                                                                                                                                                                                                                                                                       |
| Nominal Diameter (Metric)      | 21                                                                                                                                                                                                                                                                                                                                                                        |
| Material                       | Polyamide 6, flame retardant (PA6FR)                                                                                                                                                                                                                                                                                                                                      |
| Material Shortcut              | PA6FR                                                                                                                                                                                                                                                                                                                                                                     |

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Flammability                  | UL 94 V-0                                             |
| Halogen Free                  | Yes                                                   |
| UV Resistant (Yes/No)         | No                                                    |
| Use Conditions                | For Indoor and Outdoor Use                            |
| Operating Temperature         | -40°F to +248°F (-40°C to +120°C)                     |
| Reach Compliant (Article 33)  | Yes                                                   |
| ROHS Compliant                | Yes                                                   |
| Certification/Specification   | ASTM 1354 ASTM E 162 Exova   NFPA130: 2017 ASTM E 662 |
| UL Recognized (US)            | Yes                                                   |
| UL Recognized (US and Canada) | Yes                                                   |
| Package Quantity (Imperial)   | 100                                                   |
| Package Quantity (Metric)     | 30.48                                                 |
| Customs Number                | 3926909988                                            |

7930 N. Faulkner Road, Milwaukee, WI 53224  
Phone: (800) 537-1512 | Email: corp@htamericas.com