

Specification Sheet

Part Number: 166-90197



Lightweight and highly flexible for use in tight bend and fit applications.

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

Good abrasion resistance and impact strength; recovers quickly if crushed.

Offered in fine or course corrugated pitch.

HelaGuard® Non-Metallic Conduit, Light Weight, 0.50" Dia, PA6, Black, 100 ft/Std. Reel

Article Number	166-90197
----------------	-----------

Type	HG-LW0500
------	-----------

Color	Black (BK)
-------	------------

Quantity Per	pack
--------------	------

Product Description	Lightweight nylon corrugated conduit provides high flexibility and good mechanical protection of wire and cable bundles, especially useful in smaller bend radius tight-fit applications. PA6 material offers high resistance to oils and solvents, along with good abrasion protection. Combine with HelaGuard non-metallic fittings for IP66 rating or greater protection against water, wind and dirt.
---------------------	---

Short Description	HelaGuard® Non-Metallic Conduit, Light Weight, 0.50" Dia, PA6, Black, 100 ft/Std. Reel
-------------------	--

Global Part Name	HG-LW0500-PA6-BK
------------------	------------------

Length L (Imperial)	100.0
---------------------	-------

Length L (Metric)	30.5
-------------------	------

Inner Diameter D (Imperial)	0.67
-----------------------------	------

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 (PA6)
----------	-------------------

Material Shortcut	PA6
-------------------	-----

Flammability	EN IEC 61386
--------------	--------------

Halogen Free	Yes
--------------	-----

UV Resistant (Yes/No)	No
-----------------------	----

Use Conditions	For Indoor Use Only
----------------	---------------------

Operating Temperature	-40°F to +248°F (-40°C to +120°C)
-----------------------	-----------------------------------

Reach Compliant (Article 33)	Yes
------------------------------	-----

ROHS Compliant	Yes
----------------	-----

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

© 2026 HellermannTyton. All Rights Reserved.

[Contact Us](#) [RoHS/WEEE Compliance](#) [Privacy Policy](#) [Cookie Policy](#) [Terms and Conditions](#)