Glenair produces the industry's broadest range of polymer-core tubing and flexible metal conduit and fittings. Here we present additional options not yet addressed in this catalog. Glenair's conduit engineers can design and create numerous conduit configurations to meet the toughest interconnect challenges.

SPECIAL PURPOSE

POLYMER AND METAL-CORE

MATERIAL TYPES AND CONFIGURATIONS

Wire-reinforced convoluted polymer-core tubing

Reference Part No.
(Consult factory for additional materials and configurations)

127 - 009

Many customers prefer to use lightweight, flexible polymer-core tubing for their wire-routing application, but want to add crush strength similar to that found in metal-core conduit. Glenair has developed a unique configuration where helical polymer-core tubing is reinforced with a stainless steel wire, adding at least 200 lbs. crush strength while maintaining the lightweight, chemical-resistant and environmental protection properties of polymer core tubing. Wire-reinforced tubing can be braided for EMI/RFI shielding, and jacketed for environmental protection.

Convoluted polymer-core tubing with drain holes

Reference Part No.
(Consult factory for additional materials and configurations)

120 - 143

For aerospace applications where altitude changes can cause moisture condensation within conduit, Glenair produces convoluted polymer-core tubing with drain holes. All major aircraft OEM hole patterns are on file, contact the factory for details on specific configurations.

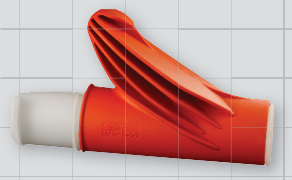
F

Slit polymer core tubing

Reference Part No.
(Consult factory for additional materials and configurations)

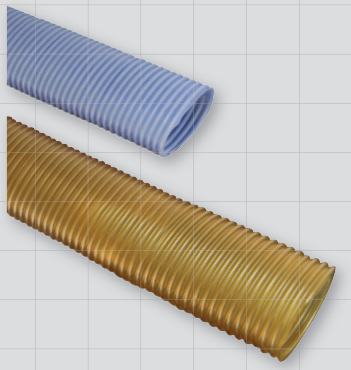
120 - 144

Any of Glenair's regular bulk helical or annular polymer-core tubings can be provided slit, for on-site installation or addition of wires in open wire loom applications. Use the Wire Loom Tool for easy wire insertion: simply gather the wires into the tool, insert into the slit conduit, and run the tool through the tubing.



Wire Loom Tool	
Part Number	Max Bundle Dia.
600-180-08	3/8 in (8mm)
600-180-15	5/8 in (15mm)
600-180-20	3/4 in (20mm)
600-180-25	1 in (25 mm)
600-180-32	1 1/4 in (32mm)

Oval polymer core annular tubing



Reference Part No.
(Consult factory for additional materials and configurations)

120 - 140 - 40

For specialized wire routing applications, Glenair can fabricate annular tubing with an oval shaped profile. In-house manufacturing allows us to design and fabricate non-standard shapes.

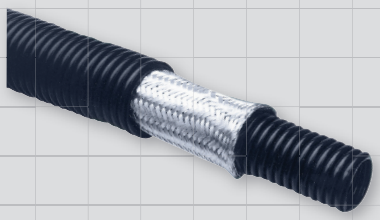
"No-Hal" halogen free flexible helical PEEK tubing assembly

Reference Part No.
(Consult factory for additional materials and configurations)

127 - 130

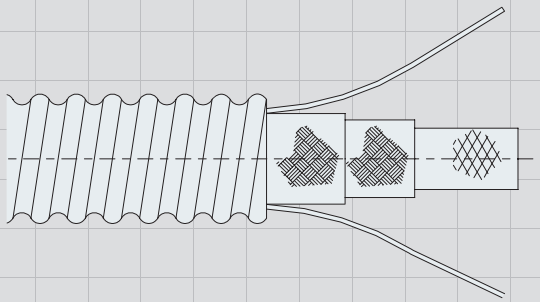
The Glenair "No Hal" tubing assembly is designed for applications where RoHS compliance or other environmental standards mandate a halogen-free configuration. Halogen-free PEEK tubing (with optional stainless steel wire reinforcement for crush strength) is combined with Glenair halogen-free Duralectric™ jacketing material. Add an optional braided shield for EMI/RFI protection.

Dual-core tubing



In applications where helical convoluted tubing needs to perform in harsh chemical environments, and weight savings is a concern, dual-core conduit is the answer. Glenair Series 74 polymer-core tubing materials are chemical- and UV resistant, and protecting the outside of tubing with a second layer of polymer tubing can save weight over standard jacketing. Consult the factory for polymer core and braided shield material options.

Polymer-core tubing with pre-installed lanyards or stress members



Glenair can supply lengths of polymer-core tubing with pre-installed mule tape lanyards to make on-site installation of wire bundles through tubing easier. Polymer tubing can also be supplied with stress members in Nomex, Kevlar, or CRES stainless steel to provide conduit with enhanced pull strength and stress resistance.