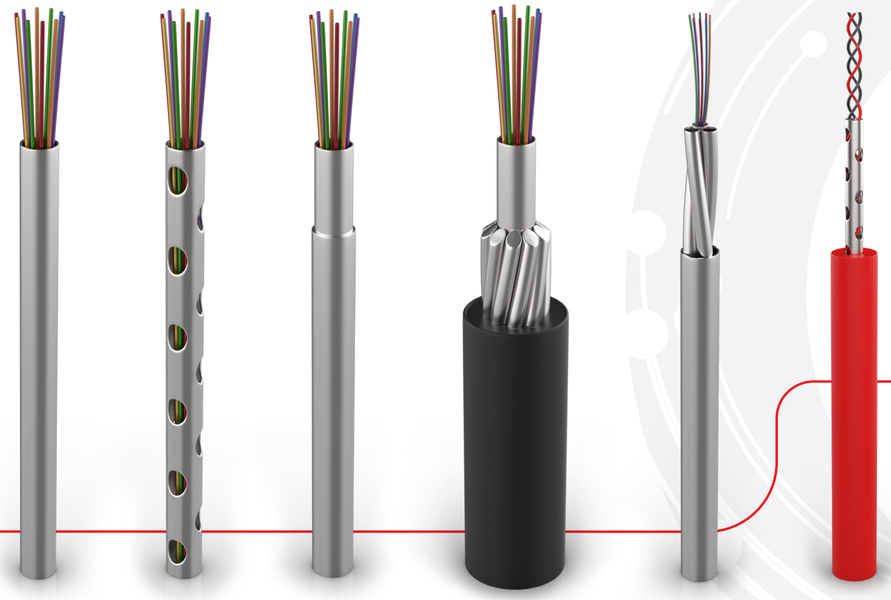
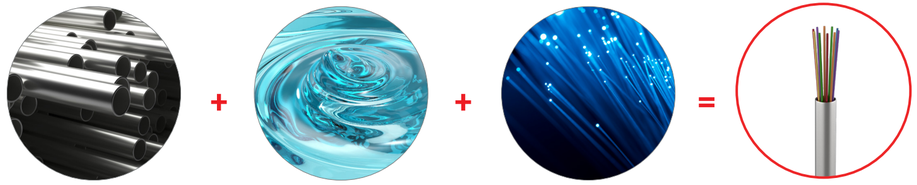
NBG

Fiber in Metal Tubes & Cables

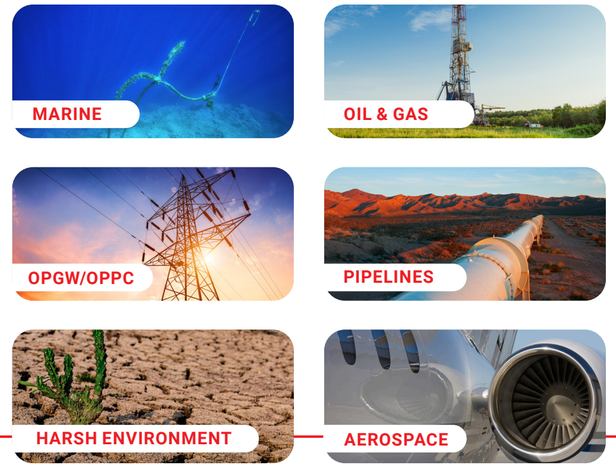
PROFESSIONAL FIBER OPTIC SOLUTIONS

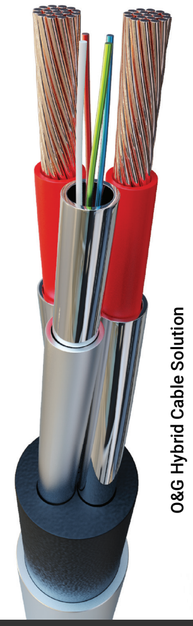


FIMT components



Applications

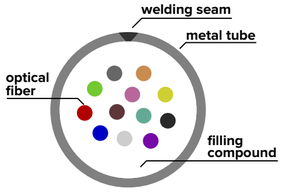




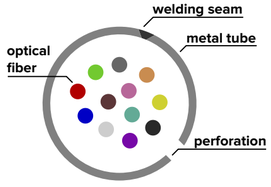
O&G Hybrid Cable Solution

Single Layer Optical Core

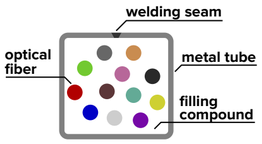
Single Layer FIMT



Perforated FIMT

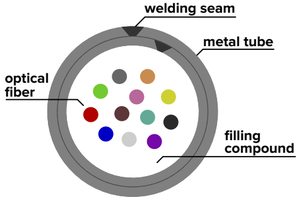


Rectangular FIMT

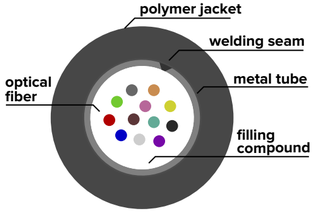


Multi Layer Optical Core

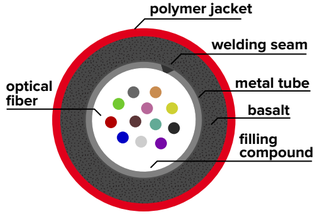
Multi Layered FIMT



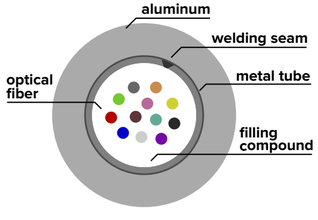
Polymer Layered FIMT



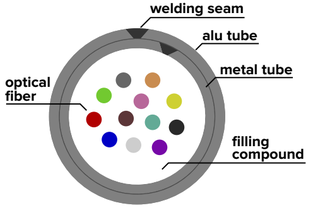
Basalt Combined FIMT



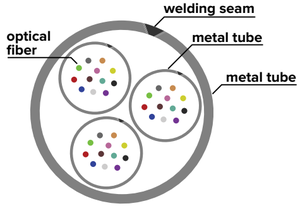
Thick-Wall Alu Layered FIMT



Thin-Wall Alu Layered FIMT

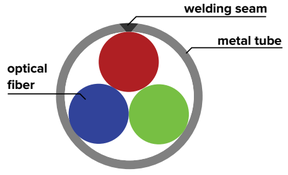


Triple Stranded Tube

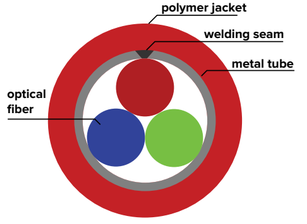


Special Sensing Core

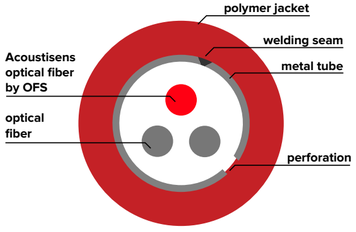
Trisens Core



Trisens Cable

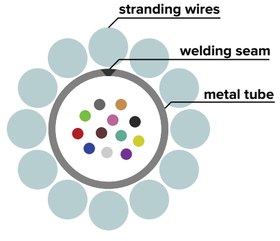


SonoSens

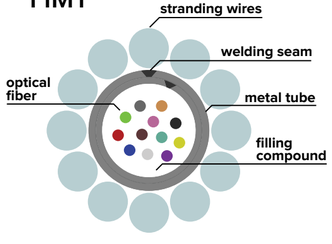


Reinforced Optical Core

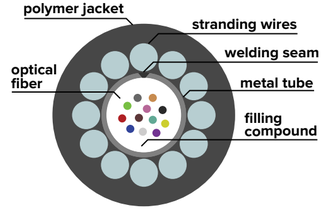
Stranded Single Layer FIMT



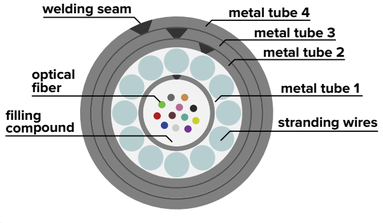
Stranded Double Layer FIMT



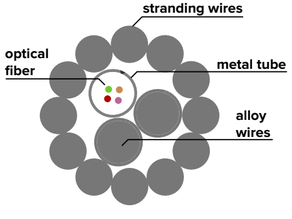
Universal Cable



Harsh Environment Cable ¼"



Self-supporting Downhole Cable



NBG

FOC Capabilities

Operational Temperature Range:
- -273° up to +650° C
  -459° up to +1202° F

Common Tube Materials:
- Stainless steel
  304, 304L, 316L, 316Ti
- Nickel-alloy
  825, 625, Invar 36
- Thick- and thin-wall aluminum

Outer Diameter Range:
- 0.83 up to 7.00 mm
  0.033 up to 0.275 in

Single Wall Thickness Range:
- 0.125 up to 0.300 mm
  0.005 up to 0.012 in

Metallic Layers: up to 5

Continuous Cable Length:
- up to 50 km
  up to 164 kft

Cable Armoring Options:
- Galvanized-steel wires
- Stainless-steel wires
- Nickel-alloy wires

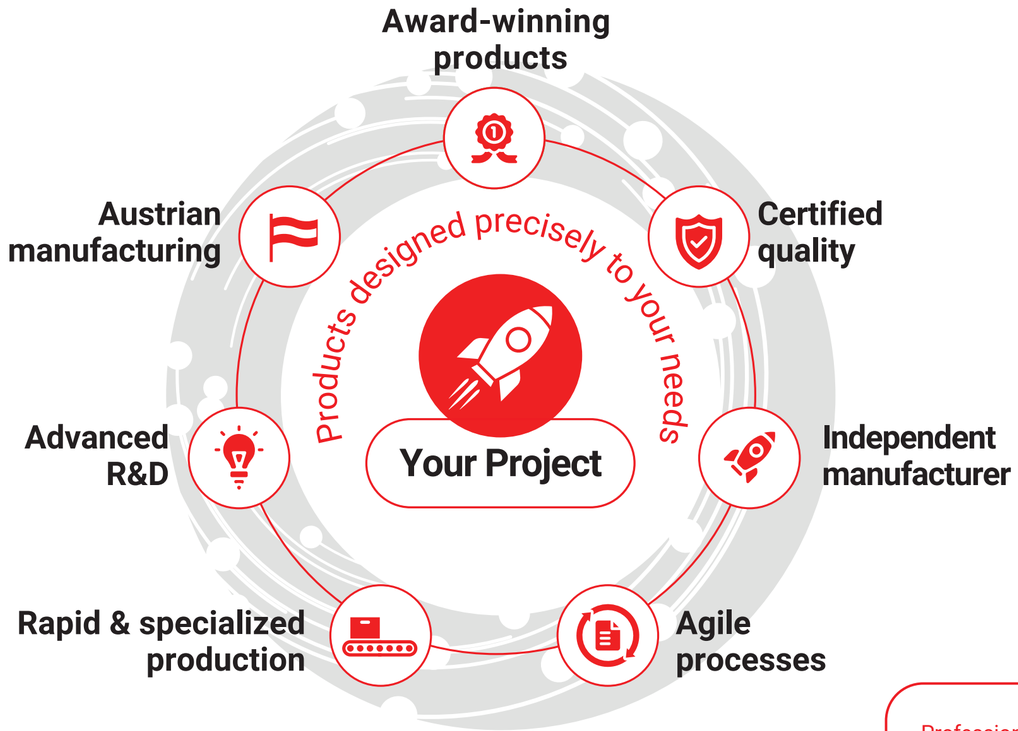
Number of Fibers: 0 up to 192
- Various coating options available:
  Acrylate, Polyimide, Carbon-Polyimide, Silicone, PFA, Gold, Aluminum, Copper, etc.

Filling Compounds:
- -60° up to +300°C
  -76° up to +572°F
- Hydrogen scavenging

Polymer Encapsulation Options:
- Common polymer materials available: PA, HDPE, etc.
- High-performance polymers such as Silicone and Fluor-polymers
- High temperature and corrosion-resistant materials
- Optional: Flame retardant, LSZH and more on request

Certifications: ISO9001, ISO14001 & ISO45001

Why our clients choose us



Professional fiber optic solutions

www.nbg.tech

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