

METAL COATED FIBERS

Make your fibers resistant to extremely high temperatures

DOES NOT AFFECT
OPTICAL FIBER
CHARACTERISTICS

IDEAL FOR
APPLICATIONS IN
HARSH ENVIRONMENTS

EXCELLENT

MECHANICAL

PROPERTIES

FIBER BONDING
TO METAL
STRUCTURES

AVAILABLE COATINGS: Cu, AG, NI, AU

TEMPERATURE RESISTANT UP TO 900°C

EASY HANDLING



SPECS

- · Metal coatings: Cu, Ni, Au, Ag
- · Other coatings: Graphene Oxide, Polyimide, Acrylate
- · Lengths up to several kilometers
- Guaranteed fiber protection up to 900°C in corrosive atmosphere
 - · Custom thickness: from nanometers to a millimeter



APPLICATIONS

- · Harsh environments (e.g. power plants, furnaces, engines, nuclear reactors, etc.
 - Corrosive atmospheres (e.g. presence of chemicals or radiation)

SENSING

Temperature, Flow, Vibration, Acoustic, Pressure

TELECOMMUNICATION

Emergency connectivity for government buildings, hospitals and data centers.

