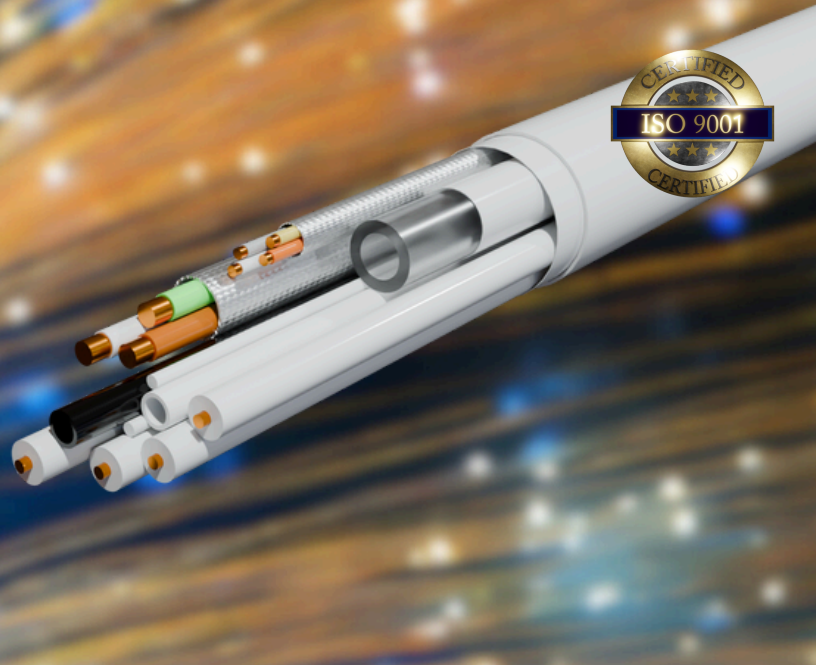


PFP MEDICAL HYBRID FIBER AND COPPER CABLES



Part Number: FF6-900-AWG-WHI

PRODUCT DESCRIPTION

Our PFP Medical hybrid cables combine fiber optics and copper conductors in a single structure, allowing simultaneous transmission of data and power. These cables are ideal for use in medical devices, monitoring systems, and imaging equipment where high-speed transmission and reliability are required.

PRODUCT FEATURES

Data and Power Transmission:

- **Fiber Optic:** Enables high-speed data transmission without electromagnetic interference (EMI).
- **Copper Conductors:** Provide electrical power to medical devices. Available in various gauges, depending on the current requirements.

Internal Components:

- **Fiber Optic Core:** Glass with a protective coating to prevent signal loss.
- **Copper Wires:** Insulated to prevent short circuits and ensure safety.
- **Filler Materials:** Water-blocking materials and mechanical protection.
- **Central Strength Member:** Mechanical reinforcement to prevent cable breakage.
- **Metallic Shielding:** Optional, protects against external interference and adds durability.

Outer Jacket:

- **Matte polyurethane (medical grade).** Durable and safe, resistant to chemicals and extreme conditions.



APPLICATIONS

- Medical Imaging Equipment (MRI, CT, ultrasound).
- Patient Monitoring Systems and Wearable Devices.
- Robotic Surgical Instruments.
- Medical Telecommunication Systems.

ADVANTAGES

- Immunity to Electromagnetic Interference (EMI): Ideal for sensitive medical environments.
- Simultaneous Transmission: Space-saving and reduced cable complexity.
- Durability: Resistant to bending, chemicals, and harsh environments.
- Customization: Can be designed according to specific customer requirements, such as length, copper conductor gauge, number of fiber optics, and jacket type.

ENGINEERING SERVICE

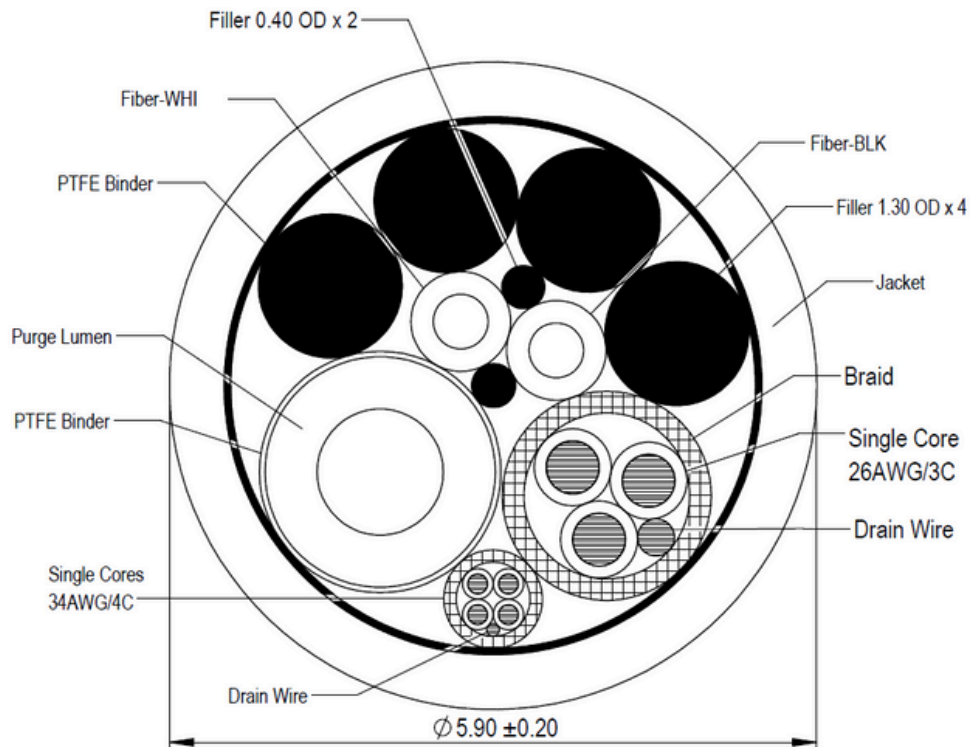
Precision Fiber Products, Inc. offers full engineering service for these hybrid cables to meet each client's specific needs.

SPECIFICATIONS

Parameter	Specification
Fiber Type	PFP Specialty SM Fiber PFP Specialty MM Fiber PFP Specialty MM Radiation Resistant Fibers PFP S200/22A, Specialty MM Fiber
Copper Gauge	Customer's requirements
Jacket Material	Matte polyurethane (medical grade).
Operating Temperature	10°C~50°C
Storage Temperature	0°C~70°C
Cable Weight	(depending on configuration)
The Environmental Statement	All the parts, materials and products conform to RoHS.



DRAWING



This drawing represents a customized configuration based on the customer's specific request. Please note that the appearance of the drawing may vary accordingly.



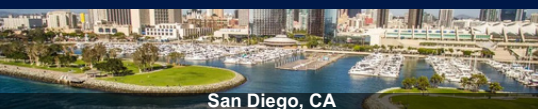
Quality Policy

Meet or exceed customer expectation in product quality and on time delivery.

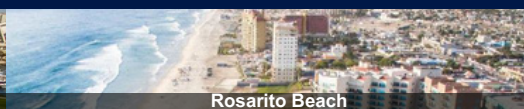
Rev. 01 Initial Release:

PFP Medical Hybrid Fiber and Copper Cables / page. 3-3

OUR LOCATIONS



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