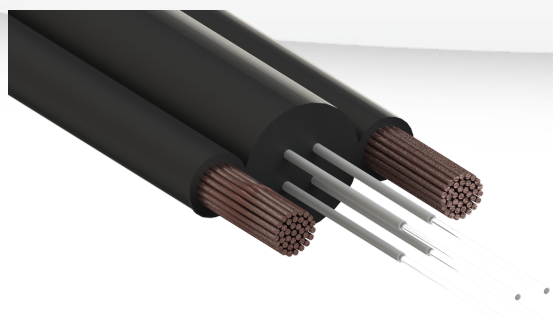




## DC Fiber

4 Strand Fiber + DC Copper



### Product Overview

Deployment of Wi-Fi access points and, optical network terminals, and other network access devices can be difficult, especially in outdoor environments. Many of these devices accept a Power over Ethernet (PoE) input for power and communications. However, the PoE distance limitation of 100 meters can cause difficulties with network planning.

Power is not always readily available in the precise locations where device placement is needed to improve Wi-Fi coverage for wireless networks, such as on the sides of buildings, lamp posts, etc. In these situations, it is typically needed to run power to the desired location prior to installing the devices. Also, any concern about who pays for that power and how it is monitored requires wireless network operators to negotiate with local utility companies and building owners. All of this adds time and money to the installation of network access devices.

IgniteNet™ has partnered with Shireen to provide a solution that combines power and optical communications into one system, eliminating the hassles and extra expense associated with powering typical low-power network devices.

### Technical Information

#### Fiber - x4 OS2 Single Mode

Fiber Diameter	8.2μm
Maximum Attenuation	≤ 0.32 dB/km
Zero Dispersion Wavelength	$1304 \leq \lambda_0 \leq 1324$
Effective Group Index of Refraction	1310nm 1.4676

#### Mechanical

Jacket	PE - UV Resistant
Thickness	0.6mm
Diameter	4.0mm
Jacket Color	Black

#### Power - x2 (14 AWG)

Center Conductor	Bare Copper Stranded Wire
Conductor Diameter	1.63mm
Max DCR	9.51 Ω/km
Capacitance	154 pF/m
Operation Voltage	300 V rms

### Ordering Information

Part Number	Description
ICC-DCF-4S-14	IgniteNet™ Accessory, DC Fiber, 4x OS2 Single Mode Fiber, 14awg DC copper

### Contact



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