

Outdoor Fiber/Power Hybrid Cable

Designed for Outdoor Base Station Construction

Overview

This hybrid cable assembly is used to connect both fiber and power to a radio element. This cable is specifically designed to work with many popular radio models that are powered by 48VDC and have fiber interfaces.

This type of hybrid cable cuts down on installation time and reduces opportunity for installer error.

The hybrid cable consists of 2x12AWG power cord and 2F Singlemode Fiber Cable, which is pre-terminated with LC Uniboot on both ends.



Features:

- 2 Core single mode fiber G657A1
- 2 x 12 AWG electrical conductors
- PE black jacket, ruggedized and UV resistant
- Cable outside diameter: 11mm
- Extra protection on the power cable B/O
- LC uniboot on both end, easy for plug-in

Technical Specifications

Fiber Cable Parameters

Fiber Count:	Duplex
Fiber Mode:	Single Mode: OS2 9/125μm
Connector:	LC UPC Uniboot
Cable Jacket:	Low Smoke Zero Halogen (LSZH)
Insertion Loss (dB):	≤0.3
Return Loss (dB):	≥50
Wavelength (nm):	1310/1550
Attenuation (dB/km):	≤0.36 at 1310nm ≤0.22 at 1550nm

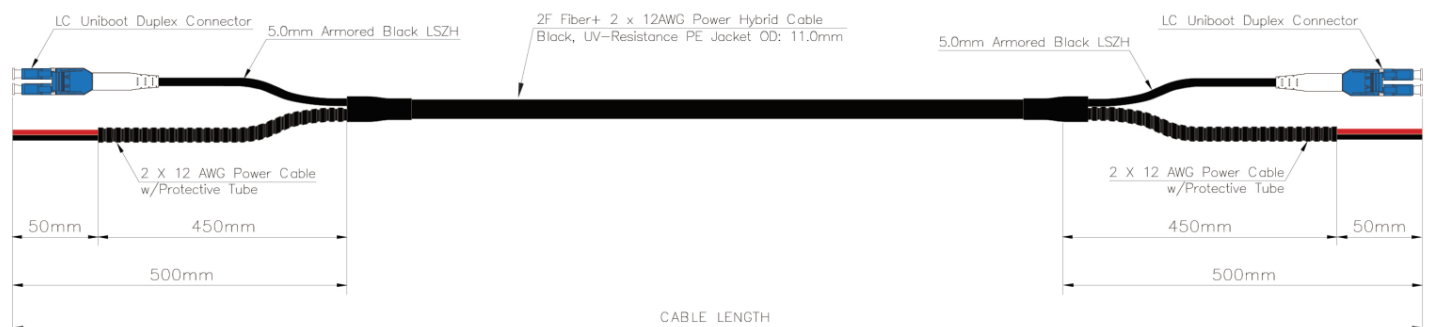
Power Cable Parameters

Conductor:	12AWG x 2
Rated Voltage:	300V
Insulation Material:	PVC

Physical Characteristics

Cable Diameter (mm):	11
Min. Bend Radius (D):	20/10 (Dynamic/Static)
Tensile Strength (N):	200/400 (Long Term/Short Term)
Crush Resistance (N):	1100/2200 (Long Term/Short Term)
Operating Temperature:	-20 to +70°C
Storage Temperature:	-40 to +80°C

Technical Drawing



END 1	FIBER POLARITY	END 2
A	—————	B
B	—————	A