

# DH-PFM920I-6F-C

305m FTP CAT6 Network Cable



Network cables are the most commonly used transmission mediums in generic cabling system. It is usually composed of 4 pairs of twisted wires, and is generally applied in system cabling within 100 meters.

## Features

- 305.0 m (1000 ft)/carton FTP CAT6, power over Ethernet, compatible with one cable
- High-purity Oxygen-Free Copper conductor material
- Customized PVC outer sheath; meet CE CPR Eca and ANSI/TIA 568-C.2 flame retardant class certified
- 10-year warranty

**Technical Specification****Conductor**

Material	Oxygen free copper (99.97% purity)
Diameter	0.57 mm ± 0.02mm(0.0224"±0.0007")
American Wire Gauge	23AWG

**Insulation**

Material	HDPE
Min. Average Thickness	0.27 mm(0.0106")
Diameter	1.12 mm ± 0.06 mm(0.0441"±0.0023")
Color (4 Pairs)	Blue, white/blue; orange, white/orange; green, white/green; brown, white/brown

**Separator**

Material	PE
Specification	Translucent 5.2 mm × 0.7 mm (0.2047"× 0.0275")

**Rip Cord**

Material	Polyester
Specification	500D

**Shielding**

Material	Aluminum foil
Specification	25×0.063mm (25× 0.0025")

**Sheath**

Material	PVC
Min. Average Thickness	0.55 mm(0.0216")
Diameter	7.3 mm ± 0.4 mm(0.2874"±0.0157")
Color	Gray

**Electrical**

Max. DC Resistance of a Single Conductor	9.5Ω/100 m
Min. Insulation Resistance	5000MΩ·km
Max. DC Resistance Unbalance	2% (pair intra), 4% (pairs inter)
Dielectric Strength	No breakdown with 1KV DC for 1 min

**Transmission**

Characteristic Impedance	100 ± 15Ω
Near End Cross Talk	≥33.10 dB/100 m@250 MHz
Max. Attenuation	32.8 dB/100 m@250 MHz
Return Loss	≥17.3 dB/100 m@250 MHz

**Mechanical**

Tensile Strength	Sheath≥13.5 MPa, insulation≥16 MPa
Elongation at Break	Sheath≥150%, insulation≥300%
Installation Bending Radius	>8 times of outer cable diameter
Conductor Elongation at Break	≥10%

**Environmental**

Shrinkage of Insulation	≤5%
Color Migration Resistance of Insulation	No migration
Sheath Tensile Strength and Elongation at Break after Aging	≥13.5 MPa, rate of changes≤20%
Low Temperature Bending Test	No cracking after the test
Heat Shock Test	No cracking after the test
Operation Temperature	-20°C to +60°C (-4°F to 140°F)
Installation Temperature	0°C to +50°C (32°F to 122°F)
Storage Temperature and Humidity	-10°C to +40°C (14°F to 104°F), <60% (RH)

**Packaging**

Length	305.0 m (1000.66 ft) ± 2.0 m ( ft)
Packaging Dimensions	400mm×400mm×310mm (15.74"x15.74"x12.20") (L × W × H)
Packaging Method	305.0 m (1000.66 ft) a carton
Net Weight	15.6kg±0.6kg ( 34.39lb±1.32lb)

**Executive Standard**

Executive Standard	ANSI/TIA 568-C.2
--------------------	------------------

**Certification**

Certification	CPR Eca
---------------	---------

**Ordering Information**

Type	Model	Description
Network Cable	DH-PFM920I-6F-C	305m FTP CAT6 Cable

**Package Information**

· 305m FTP CAT6 cable \*1

