

# DH-PFM920I-6F-C

305m F/UTP CAT6 NetworkCable (Gray, CPR Eca)



- 305 m (1,000 ft)/carton F/UTP CAT6, power over Ethernet, compatible with one cable.
- High-purity oxygen-free copper conductor.
- Customized PVC outer sheath;CE CPR Eca flame retardant class certified.
- · 10-year warranty.

#### **Series Overview**

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.

Technical Specification		
Conductor		
Material	Oxygen free copper (99.97% purity)	
Conductor Structure	0.57 mm ± 0.01 mm (0.0224" ± 0.0004")	
American Wire Gauge	23AWG	
Insulation		
Insulating Material	HDPE	
Min. Average Thickness	0.21 mm (0.0083")	
Insulation Diameter	1.12 mm ± 0.1 mm (0.04" ± 0.0004")	
Insulation Color	8 cores, Blue, white/blue; Orange, white/orange; Green, white/green; Brown, white/brown	
Rip Cord		
Material	Polyester	
Specification	500D	
Drain Wire		
Material	Tinned copper	
Specification	0.50 mm ± 0.01 mm (0.0004" × 0.02")	
Separator		
Material	PE	
Specification	Translucent 5.2 mm × 0.6 mm (0.21" × 0.02")	

#### Wrapping Tape

Polyester tape (transparent)	
0.025 mm × 25 mm (0.001" × 0.98")	
Aluminum foil	
0.06 mm × 25 mm (0.002" × 0.98")	
0.55 mm (0.0216")	
PVC	
7.3 mm ± 0.4 mm (0.2874" ± 0.0157")	
Gray	
7.35 Ω@100 m (328.08 ft)	
5000 MΩ·km	
2% (pair intra), 4% (pairs inter)	
No breakdown with 1kV DC for 1 min	
$100~\Omega \pm 15~\Omega$	
≥33.10 dB/100 m@250 MHz	
32.8 dB/100 m@250 MHz	
≥17.3 dB/100 m@250 MHz	
Sheath≥13.5 MPa, insulation≥16 Mpa	

## Network Cable | DH-PFM920I-6F-C

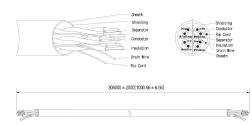
Elongation at Break	Sheath≥150%, insulation≥300%	
Installation Bending Radius	>8 times of outer cable diameter	
Conductor Elongation at Break	≥10%	
Environmental		
Shrinkage of Insulation	≤5%	
Color Migration Resistance of Insulation	No migration	
Sheath Tensile Strength and Elongation at Break after Aging	≥12.5MPa,≥125%	
Low Temperature Bending Test	No cracking after the test	
Heat Shock Test	No cracking after the test	
Operating 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	-10 °C to +40 °C (+14 °F to +104 °F)	
Storage Humidity	<60% (RH)	
Security		
Vertical Flame Test	Comply with IEC 60332-1-2	
Packaging		
Cable Length	305.0 m± 2 m (1,000.66 ft ± 6.56 ft)	
Packaging Method	305 m (1,000 ft) a carton, one carton with 2 inner cartons	
Packaging Dimensions	414 mm × 321 mm × 425 mm (16.3" × 12.64" × 16.73") (L × W × H)	
Net Weight	19.3 kg ± 0.6 kg (42.55 lb ± 1.32 lb)	
Gross Weight	20.3 kg ± 0.5 kg (44.75 lb ± 1.32 lb)	
Compliance Standard		
Compliance Standard	ISO/IEC 11801,IEC 61156	
Certifications		
Certifications	CPR Eca	
Flame-retardant Standard		
0 1 0 1	ENEOG 75	

Ordering Information			
Туре	Model	Description	
Network Cable	DH-PFM920I-6F-C	305m F/UTP CAT6 NetworkCable (Gray, CPR Eca)	

EN50575

### Dimensions (mm[inch])

mm[ft]



Compliance Standard