

# DH-PFM941I-59/3-180

Coaxial Cable With Power Cable(3C)



- 180m mini RG59 coaxial cable with power cable.
- Bare copper is the conductor for the coaxial cable and power cable.
- Copper clad aluminum magnesium is the braiding material of the coaxial cable.
- Contains customized PVC outer sheath, meets the standards of RoHS 2.0 and REACH, and is CPR Eca flame retardant class certified.
- Designed with anti-interference and anti-aging capabilities.

## Technical Specification

### Coaxial Cable

Conductor	Material	Oxygen-free copper
	Diameter	0.41 mm ± 0.01 mm (0.02" ± 0.0004")
	Wire Gauge	26AWG
Insulation	Material	PE Foam
	Thickness	≥0.8 mm (0.03")
	Diameter	2.0 mm ± 0.2 mm (0.08" ± 0.008")
	Color	1 core (white)
Inner Shield	Material	Single-sided aluminum foil composite
	Specification	T ≥0.026 mm (0.001") W: 8 mm ± 1 mm (0.32" ± 0.039")
	Overlap Rate	≥25%
Outer Shield	Material	Copper clad aluminum magnesium
	Specification	16 × 5/0.12 mm ± 0.01 mm (5/0.005" ± 0.0004")
	Lay Length	17 mm ± 3 mm (0.67" ± 0.12")
	Braiding Density	≥80%
Sheath	Material	PVC
	Min. Average Thickness	≥0.4 mm (0.016")
	Diameter	3.6 mm ± 0.2 mm (0.14" ± 0.008")
	Color	Black
Electrical	Max. DC Resistance of a Single Conductor	≤13.8 Ω@100 m (328.08 ft)
	Characteristic Impedance	75 Ω ± 5 Ω

### Power Cable(3C)

Conductor	Material	Oxygen-free copper
	Diameter	11/0.160 mm ± 0.01 mm (11/0.006" ± 0.0004")
	Wire Gauge	0.22 mm <sup>2</sup>
Insulation	Material	PVC
	Thickness	≥0.3 mm (0.01")
	Diameter	1.25mm ± 0.05mm (0.05" ± 0.002")
	Color	3 cores (red, yellow and gray)
Sheath	Material	PVC
	Min. Average Thickness	≥0.4 mm (0.016")
	Diameter	3.6 mm ± 0.2 mm (0.14" ± 0.008")
	Color	Black
Electrical	Max. DC Resistance of a Single Conductor	≤8.4 Ω@100 m (328.08 ft)

### General

Environmental	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 & Humidity	-10°C to +40°C (+14°F to +104°F), <60% (RH)

Packaging	Cable Length	180 m ± 2.0 m (590.55 ft ± 6.56 ft)
	Each Roll of Cable Dimensions	310 mm × 310 mm × 105 mm (12.20" × 12.20" × 4.13") (L × W × H)
	Net Weight	5.8 kg ± 0.40 kg (12.78 lb ± 0.88 lb)
	Gross Weight	5.9 kg ± 0.40 kg (13.01 lb ± 0.88 lb)
	Packaging Dimensions	547 mm × 320 mm × 326 mm (21.54" × 12.60" × 12.83") (L × W × H)
	Packaging Method	180 m/roll, 5 rolls in one package
Flame-retardant	Compliance Standard	EN 50575:2014+A1:2016
Compliance	Compliance Standard	Q/DXJ 131-2020
	Certification	CPR Eca

Ordering Information		
Type	Model	Description
Cable Series	DH-PFM941I-59/3-180	Coaxial cable with power cable(3C)

**Dimensions (mm[inch])**

