

DH-PFM941I-RG59N/21-100

Coaxial Cable with Power Cable(2C)



- 100m mini RG59 coaxial cable with power 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	CCS
	Diameter	0.81 mm $\pm$ 0.01 mm (0.03" $\pm$ 0.0004")
	Wire Gauge	20AWG
Insulation	Material	PE foam
	Thickness	$\geq$ 1.4 mm (0.06")
	Diameter	3.7 mm $\pm$ 0.15 mm (0.15" $\pm$ 0.006")
	Color	1 core (white)
Inner Shield	Material	Single-sided aluminum foil composite
	Specification	T $\geq$ 0.026 mm (0.001") W: 15 mm $\pm$ 1 mm (0.59" $\pm$ 0.039")
	Overlap Rate	$\geq$ 25%
Outer Shield	Material	Aluminum-magnesium alloy
	Specification	16 $\times$ 7/0.12 mm $\pm$ 0.01 mm (7/0.005" $\pm$ 0.0004")
	Lay Length	25 mm $\pm$ 3 mm (0.98" $\pm$ 0.12")
	Braiding Density	$\geq$ 80%
Sheath	Material	PVC
	Min. Average Thickness	$\geq$ 0.8 mm (0.031")
	Diameter	6.0 mm $\pm$ 0.2 mm (0.24" $\pm$ 0.008")
	Color	White
Electrical	Max. DC Resistance of a Single Conductor	$\leq$ 16.0 Ω @100 m (328.08 ft)
	Characteristic Impedance	75 $\Omega \pm 5 \Omega$

Power Cable(2C)

Conductor	Material	CCA
	Diameter	7/0.37 mm $\pm$ 0.01 mm (7/0.015" $\pm$ 0.0004")
	Wire Gauge	0.75 mm ²
Insulation	Material	PVC
	Thickness	$\geq$ 0.3 mm (0.012")
	Diameter	1.8 mm $\pm$ 0.15 mm (0.07" $\pm$ 0.006")
	Color	2 cores (red, black)
Sheath	Material	PVC
	Min. Average Thickness	$\geq$ 0.6 mm (0.024")
	Diameter	3.1 mm $\pm$ 0.2 mm (0.12" $\pm$ 0.008") $\times$ 5.1 mm $\pm$ 0.2 mm (0.20" $\pm$ 0.008")
	Color	White
Electrical	Max. DC Resistance of a Single Conductor	$\leq$ 4.0 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	100 m ± 1.0 m (328.08 ft ± 3.28 ft)
	Each Roll of Cable Dimensions	300 mm × 300 mm × 100 mm (11.81 × 11.81" × 3.94") (L × W × H)
	Net Weight	5.1 kg ± 0.3 kg (11.24 lb ± 0.66 lb)
	Gross Weight	5.2 kg ± 0.3 kg (11.46 lb ± 0.66 lb)
	Packaging Method	100 m/roll, 4 rolls in one package
	Transport Package Dimensions	319 mm × 319 mm × 430 mm (12.56" × 12.56" × 16.92") (L × W × H)
Flame-retardant	Compliance Standard	EN 50575
Compliance	Compliance Standard	Q/DXJ 131-2020
	Certification	CPR Eca

Ordering Information		
Type	Model	Description
Cable Series	DH-PFM941I-RG59N/21-100	Coaxial Cable with Power Cable(2C)

Dimensions (mm[inch])

