

DH-PFM930-59N-100

100 m RG59 Coaxial Cable



- Double-layer shield design to avoid EMI/RFI
- High purity (99.97%) oxygen-free conductor material to enhance transmission performance
- Customized PVC outer sheath, CPR Eca Flame Retardant Class certified, RoHS 2.0&REACH complied
- 100 m RG59 coaxial cable per package

Technical Specification

Conductor

Material	Oxygen-free copper (99.97%)
Diameter	0.81 mm±0.1 mm (0.03"±0.004")
Wire Gauge	20AWG

Insulation

Material	FPE
Thickness	≥1.4 mm (0.06")
Diameter	3.7 mm±0.20 mm (0.15"±0.008")
Color	White

Inner Shield

Material	Aluminum foil
Specification	T≥0.026, W: 15±1 mm (0.59"±0.04")
Overlap Rate	≥25%

Outer Shield

Material	Copper clad aluminum
Specification	16 × 4 × 0.12 mm±0.01 mm (0.005"±0.0004")
Shield Coverage	≥60%

Sheath

Material	PVC
Thickness	≥0.95 mm (0.04")

Diameter	6.1 mm±0.30 mm (0.24"±0.01")
Color	Black semi-polished

Electrical

Max. DC Resistance of Inner Conductor	≤33.9Ω/km
Dielectric Strength	Not breakdown with 2kV DC for 1 min
Sheath Strength	Not breakdown with 3kV
Characteristic Resistance	75Ω±5Ω
Insulation Resistance	5000MΩ•km

Mechanical

Elongation at Break (Wire)	≥15%
Elongation at Break (Sheath)	≥150%

Environment

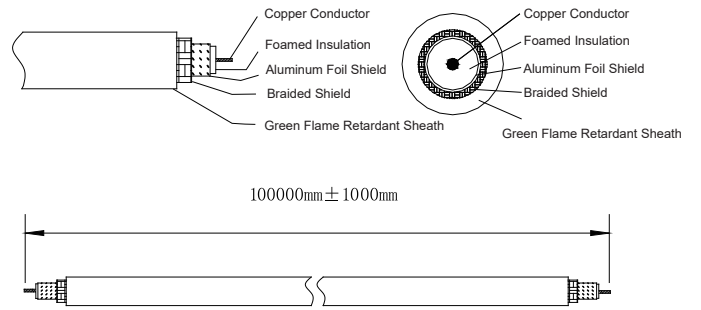
Low Temperature Bending	Not cracked
Thermal Shock	Not cracked
Operating Temperature	-20°C to +60°C (-4°F to 140°F)
Storage Temperature	-10°C to +40°C (14°F to 104°F)

Package

Length	100 m±1 m (328 ft±3.28 ft)
Packaging Dimensions	255 mm × 135 mm × 265 mm (10.04" × 5.32" × 10.43") (L × W × H)
Net Weight	3.6 kg±0.4 kg (7.94 lb±0.88 lb)

Gross Weight	3.9 kg±0.4 kg (8.60 lb±0.88 lb)
Certification	
Certification	CPR Eca
Executive Standard	Q/DXJ 194-2020

Dimensions (mm[inch])



Coaxial Cable Transmission Performance	
Frequency (MHz)	Loss (20°C), Max. (dB/100 m)
10	3.5
40	6.3
70	7.7
100	9.2
200	13.0
400	18.4
700	24.4
1000	29.1
1300	33.2
1700	38.0
2000	41.2
2300	44.2
2700	47.9
3000	50.5

Ordering Information		
Type	Model	Description
Cable	DH-PFM930-59N-100	100 m RG59 Coaxial Cable