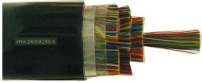


# Air Conditioner Unit

This air conditioner provides efficient cooling for indoor spaces. It helps maintain a comfortable environment by regulating temperature.



主要电气性能  
电气性能符合下表

特性名称	规格 (mm)	0.32	0.40	0.50	0.60	0.70	0.80	0.90
电容不平衡: 0.8kHz (10对或12对)	≤	—	—	—	—	—	—	—
线对-线对: 0.8kHz (10对)	≤	250	250	250	200	200	200	200
线对-地: 0.8kHz (10对)	≤	2630	2630	2630	2000	2000	2000	2000
平均: 0.8kHz (10对)	≤	570	570	570	450	450	450	450
电压等级: 额定: 1kV, 1kV 绝缘等级: 1kV		3000V	3000V	3000V	3000V	3000V	3000V	3000V
导体直径公差: 0.2mm (20°C)		±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
电阻不平衡: 最大不平衡		2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
最大不平衡		0.02	0.02	0.02	0.02	0.02	0.02	0.02
工作电压: 0.8kHz (10对)		100V	100V	100V	100V	100V	100V	100V
最大: 10对		100V	100V	100V	100V	100V	100V	100V
平均: 10对		100V	100V	100V	100V	100V	100V	100V

## Overview

### HYA Series Communication Cable

The HYA 2400X2X0.4 is a high-performance communication cable designed for reliable data transmission across various wire diameters. It features rigorous electrical performance standards, ensuring low capacitance unbalance and high voltage resistance. This cable is optimized for professional telecommunications infrastructure where signal integrity and DC resistance stability are critical.

## Key Performance Metrics

### Key Electrical Ratings

**1000 V**

DC Voltage Test (Wire-to-Wire)

**3000 V**

DC Voltage Test (Wire-to-Shield)

**52 nF/km**

Average Working Capacitance

## Electrical Specifications

### DC Resistance by Wire Diameter

Wire Diameter (mm)	Max DC Resistance (Ω/km at 20°C)	Max Individual Resistance Unbalance (%)
0.32	236	6
0.40	148	5
0.50	95	5
0.60	65.8	5
0.70	48	4
0.80	36.6	4
0.90	28.5	4

## Capacitance & Signal Integrity

### Capacitance Unbalance (0.8KHz or 1KHz)

- Line-to-Line Max Individual (10 pairs): 250 pF/km
- Line-to-Line Max (>10 pairs): 200 pF/km
- Line-to-Ground Max Individual: 2630 pF/km
- Line-to-Ground Average (>10 pairs): 570 pF/km

## Technical Standards

### Performance Compliance

DC Voltage Tested, Low Resistance Unbalance, High Capacitance Stability, Shielded Performance

## Operating Conditions

Voltage Test Duration	1 min
Resistance Reference Temperature	20 °C