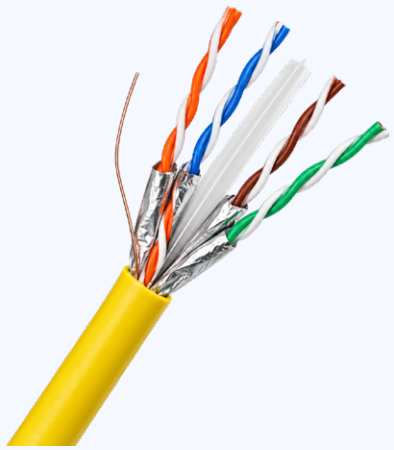
CAT6A U/FTP 305M

EURONET CAT6A U/FTP CABLE – 305M

Shielded Network Cable | PoE-Ready | 500MHz



CATEGORY **CAT6A U/FTP**	CONDUCTOR **23 AWG copper**
FREQUENCY RANGE **1–500MHz**	POE LOADING **57V/1A DC**
SHEATH DIAMETER **7.6 ±0.50mm**	CABLE LENGTH **305 ±1.5m**

OVERVIEW

The EURONET CAT6A U/FTP 305M is a high-performance shielded twisted-pair cable for IP camera networks, PoE systems and advanced network infrastructure. Each pair has its own aluminium foil shield against interference and crosstalk, around 23 AWG bare copper conductors with HDPE insulation. The cable is Fluke tested, complies with ISO/IEC 11801 and ANSI/TIA-568-C.2, works across 1–500MHz and supports continuous PoE loading at 57V/1A DC. A yellow PVC sheath, rip-cord and pair separator make installation easier, and each 305m drum is fire resistant and rated -20°C to 75°C.

KEY FEATURES

Dual-Standard Compliance
Fluke Pass and compliant with ISO/IEC 11801 and ANSI/TIA-568-C.2 for verified CAT6A performance

PoE-Ready Design
Supports continuous 57V/1A DC loading, so PoE cameras and access points run without degradation

Precision Impedance Control
100 ±15Ω up to 250MHz and 100 ±25Ω from 250 to 500MHz for consistent signal integrity end to end

Low DC Resistance
DC resistance 9.38Ω/100m max and 5.0% max unbalance keep signal loss low over long cable runs on site

Per-Pair Foil Shielding
AL foil 25U shield on every pair protects against EMI and crosstalk in electrically noisy sites

Durable PVC Sheath
Yellow PVC sheath, 1.35 ±0.10mm thick, with rip-cord and separator; fire resistant, -20°C to 75°C

TECHNICAL NOTE

CAT6A U/FTP 305M: 23 AWG bare copper, HDPE insulation, AL foil 25U per pair, yellow PVC sheath 1.35 ±0.10mm thick, 7.6 ±0.50mm diameter, rip-cord and separator. Impedance 100 ±15Ω (≤250MHz), 100 ±25Ω (250–500MHz); DC resistance 9.38Ω/100m max, unbalance 5.0% max, delay skew 45ns/100m max. PoE 57V/1A DC. Length 305 ±1.5m, 60V, -20°C to 75°C, fire resistant.

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CAT6A U/FTP 305M

PRODUCT TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS
GENERAL	
Model	CAT6A U/FTP 305M
Category	CAT6A
Type	Shielded (U/FTP)
Use	Indoor
Cable Length	305 ±1.5m
Standards	ISO/IEC 11801, ANSI/TIA-568-C.2
Test	Fluke Pass
CONSTRUCTION	
Conductor	Bare copper, 23 AWG
Insulation	HDPE
Shielding	AL foil 25U per pair (U/FTP)
Sheath	PVC, yellow
Sheath Thickness	1.35 ±0.10mm
Sheath Diameter	7.6 ±0.50mm
Rip-cord	Yes
Separator	Yes

PARAMETER	SPECIFICATIONS
ELECTRICAL PERFORMANCE	
Frequency Range	1–500MHz
Impedance (≤250MHz)	100 ±15Ω
Impedance (250–500MHz)	100 ±25Ω
DC Resistance	9.38Ω/100m max
DC Resistance Unbalance	5.0% max
Delay Skew	45ns/100m max
PoE Loading	57V/1A DC continuous
Operating Voltage	60V
ENVIRONMENT & PACKAGING	
Ambient Temperature	-20°C to 75°C
Fire Resistance	Yes
Package (W × H × D)	330 × 330 × 370mm
Drum Weight	Not available

**Specifications are subject to change without prior notice.*

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