

PRODUCT CATALOGUE

EURONET CAT6 & CAT6A NETWORK CABLE CATALOGUE 2026



The Euronet CAT6 & CAT6A Network Cables range delivers professional-grade network cabling solutions for IP surveillance, CCTV, and structured security installations. Engineered for reliability in both indoor and outdoor environments, every cable in this range is manufactured to ISO 9001:2015 certified standards and tested for signal integrity, EMI resistance, and long-term durability. From high-density IP camera networks to structured network backbones, the Euronet cable range provides the performance and confidence your installation demands.

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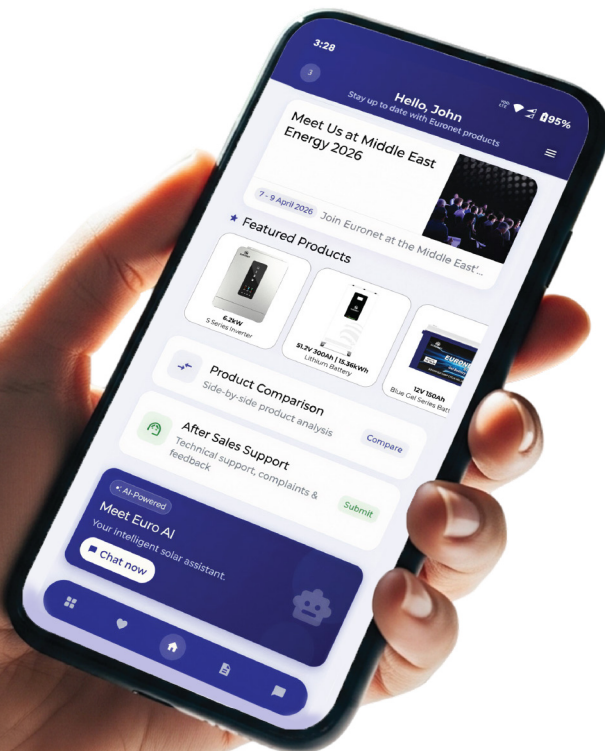
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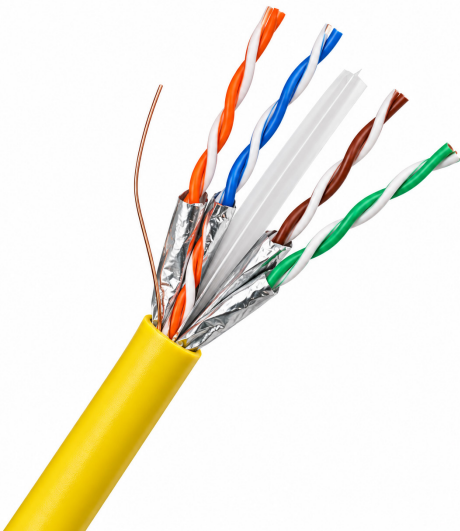
EURONET CAT6 & CAT6A Network Cable Catalogue

Professional network cabling solutions for CCTV, IP surveillance, and structured networking installations.

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CAT6A CABLE U/FTP - 305M

High-performance shielded CAT6A network cable for advanced surveillance and PoE systems



CATEGORY CAT6A U/FTP	CABLE MATERIAL Foil+PVC Jacket
CONDUCTOR 23 AWG Copper	SHEATH DIAMETER 7.6 +/- 0.50 mm
OPERATING VOLTAGE 60 V	Ambient Temperature -20°C to 75°C

OVERVIEW

The Euronet CAT6A U/FTP 305M is a high-performance twisted-pair cable with individual foil shielding per pair, compliant with ISO/IEC 11801 and ANSI/TIA-568-C.2 standards. Engineered for demanding surveillance environments, it supports continuous PoE operation at 57V/1A DC and maintains stable electrical performance across a frequency range of 1.0 to 500MHz, making it suitable for high-density IP camera installations and advanced network infrastructure.

KEY FEATURES

Dual-Standard Compliance

Fluke Pass, Complies with ISO/IEC 11801 and ANSI/TIA-568-C.2 for verified performance in professional surveillance.

PoE-Ready Design

Supports continuous 57V/1A DC loading, ensuring full Power over Ethernet (PoE) devices without degradation.

Precision Impedance Control

Delivers 100 ± 15 Ω up to 250MHz and 100 ± 25 Ω from 250 to 500MHz to maintain consistent signal integrity.

Low DC Resistance

Features max DC resistance of 9.38 Ω/100m and 5.0% max unbalance, minimizing signal loss over long distances.

AL Foil 25U Per-Pair Shielding

Individual aluminum foil shields on each pair provide protection against EMI & crosstalk in high-noise environments.

High-Strength Sheath Construction

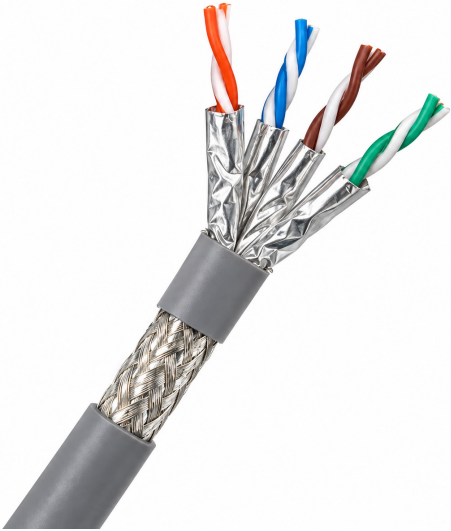
Durable PVC sheath resists installation damage and supports continuous operation at temperatures up to 50°C.

TECHNICAL NOTE

Category: CAT6A | Conductor: Bare Copper, 23 AWG | Insulation: HDPE | Shielding: AL Foil 25U per pair (U/FTP) | Sheath: PVC, yellow, 1.35 +/- 0.10mm thickness, 7.6 +/- 0.50mm diameter | Rip-cord: Yes | Separator: Yes | Impedance: 100 +/- 15 Ohm (250MHz max), 100 +/- 25 Ohm (250-500MHz) | DC Resistance: 9.38 Ohm/100m max | DC Resistance Unbalance: 5.0% max | Delay Skew: 45ns/100m max | Cable Length: 305 +/- 1.5m | Operating Voltage: 60V | Ambient Temperature: -20°C to 75°C | Package Dimensions: 330mm (W) x 330mm (H) x 370mm (D) | Standards: ISO/IEC 11801, ANSI/TIA-568-C.2 | Fire Resistance: Yes | Manufactured by Smart Euronet Electronics LLC.

CAT6 CABLE FTP - 305M

Foil-shielded CAT6 LAN cable for secure and high-speed CCTV network installations



CATEGORY

CAT6 FTP

CABLE MATERIAL

Al foil + PVC

CONDUCTOR

23 AWG Bare Copper

SHEATH DIAMETER

7.5 +/- 0.2 mm

OPERATING VOLTAGE

60 V

Ambient Temperature

-20°C to 75°C

OVERVIEW

The Euronet CAT6 FTP 305M is a foil-shielded twisted-pair network cable designed to deliver high-speed data transmission for CCTV, IP surveillance, and structured network cabling applications. Featuring individual pair shielding with polyester/aluminium foil at 115% coverage minimum, it provides effective protection against electromagnetic interference while maintaining characteristic impedance of 100 +/- 5 Ohm at 100MHz. The PVC jacket and PE Skin-Foam-Skin insulation ensure durability across a wide temperature range.

KEY FEATURES

Full Pair Foil Shielding
PET/ALU pair shield with ≥115% coverage provides robust EMI protection in noisy environments.

Bare Copper Conductor
23 AWG bare solid copper (0.585mm OD) limits max DC resistance to 9.5 Ω/100m over 305m.

High Insulation Resistance
Exceeds 1500 MΩ/100m at 20°C, verified by a 2-minute test at 100V-500V DC.

Stable Impedance
100 ± 5 Ω at 100MHz; dielectric strength tested at 1.00KV DC or 0.7KV AC for 1 minute.

PE Skin-Foam-Skin Insulation
Foam-skin insulation (1.35mm OD) minimizes signal loss and maintains capacitance balance.

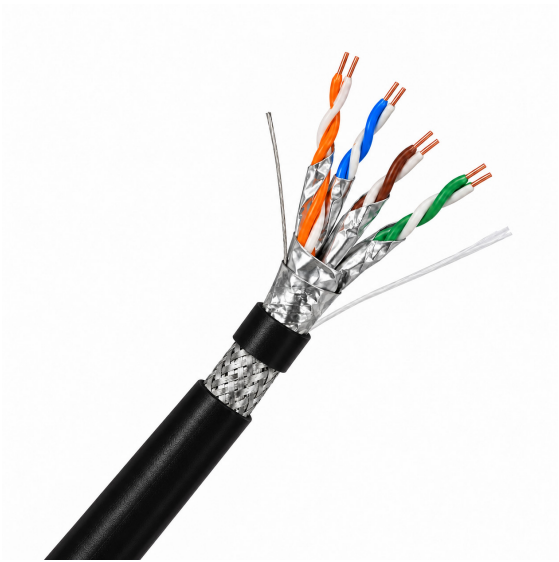
Fire-Resistant PVC Jacket
Durable PVC jacket (7.5mm OD) is rated for continuous operation from -20°C to 75°C.

TECHNICAL NOTE

Category: CAT6 FTP | Conductor: Bare Solid Copper, 23 AWG, OD 0.585 +/- 0.005mm | Insulation: PE Skin-Foam-Skin, OD 1.35 +/- 0.01mm, THK 0.385mm | Pair Shield: Polyester/Aluminium PET/ALU, 115% coverage min | Jacket: PVC, OD 7.5 +/- 0.2mm, THK 0.60-0.70mm | Impedance: 100 +/- 5 Ohm at 100MHz | DC Resistance: 9.5 Ohm/100m max | Resistance Unbalance: 2% max | Insulation Resistance: 1500 MOhm/100m min | Mutual Capacitance: 5600pF/100m MAX | Cable Length: 305 +/- 1.5m | Operating Voltage: 60V | Ambient Temperature: -20°C to 75°C | Drum Weight: 20kg | Drum Dimension: 370 x 200 x 220 mm | Drum Diameter: 40cm | Fire Resistance: Yes | Manufactured by Smart Euronet Electronics LLC.

CAT6 CABLE SFTP - 305M

Outdoor-rated shielded CAT6 cable with dual-jacket construction for exposed installations



CATEGORY CAT6 SFTP	CABLE MATERIAL HDPE PVC+PE Jacket
CONDUCTOR 23 AWG CCA	SHEATH DIAMETER 7.0 +/- 0.30 mm
OPERATING VOLTAGE 60 V	Ambient Temperature -20°C to 75°C

OVERVIEW

The Euronet CAT6 SFTP 305M is an outdoor-rated, foil and braid-shielded twisted-pair cable designed for CCTV and surveillance network installations in exposed or demanding environments. Its dual-layer construction combines copper-colour foil shielding and a 4x16x0.12mm CCA braid for comprehensive EMI protection, while the dual-jacket design PVC inner jacket with PE outer jacket provides excellent resistance to moisture, UV exposure, and mechanical stress throughout the full 305-meter length.

KEY FEATURES

Dual-Layer Shielding

Copper-colour foil with a 4x16x0.12mm CCA braid provides multi-layer EMI protection for noisy outdoor environments.

Outdoor Dual-Jacket Design

PVC inner jacket and PE outer jacket offer robust resistance to moisture, UV, and harsh outdoor exposure.

CCA Conductor Construction

23 AWG copper-clad aluminum conductors deliver reliable transmission performance across the full 305m run.

High-Strength Mechanical Sheath

Engineered with high tensile and compressive strength to prevent damage during cable pulling and installation.

HDPE Insulation

High-density polyethylene insulation ensures excellent dielectric properties and stable performance up to 50°C.

Fire-Resistant Construction

Fire-resistant PE outer jacket supports safe, compliant operation in temperatures from -20°C to 75°C.

TECHNICAL NOTE

Category: CAT6 | Shielding: SFTP (Copper-colour foil + 4x16x0.12mm CCA braid) | Conductor: CCA, 23 AWG | Insulation: HDPE | Inner Jacket: PVC | Outer Jacket: PE | Sheath Thickness: 0.50 +/- 0.20mm | Sheath Diameter: 7.0 +/- 0.30mm | Rip-cord: Yes | Separator: Yes | Cable Length: 305 +/- 1.5m | Operating Voltage: 60V | Ambient Temperature: -20°C to 75°C | Package Dimensions: 330mm (W) x 330mm (H) x 270mm (D) | Fire Resistance: Yes | Manufactured by Smart Euronet Electronics LLC.

CAT6 CABLE UTP - 305M

Unshielded CAT6 indoor LAN cable for high-speed CCTV and network installations



CATEGORY CAT6 UTP	CABLE MATERIAL HDPE PVC Jacket
CONDUCTOR 23 AWG CCA	SHEATH DIAMETER 6.00 +/- 0.30 mm
OPERATING VOLTAGE 60 V	Ambient Temperature -20°C to 75°C

OVERVIEW

The Euronet CAT6 UTP 305M Indoor is an unshielded twisted-pair network cable designed for indoor CCTV, IP surveillance, and structured LAN cabling installations. Its CCA conductors deliver strong electrical properties and transmission performance, while the PVC sheath with high tensile and compressive strength ensures durability during installation. The cable operates continuously at temperatures up to 50°C and meets CAT6 performance standards for reliable high-speed data transmission across the full 305-meter drum.

KEY FEATURES

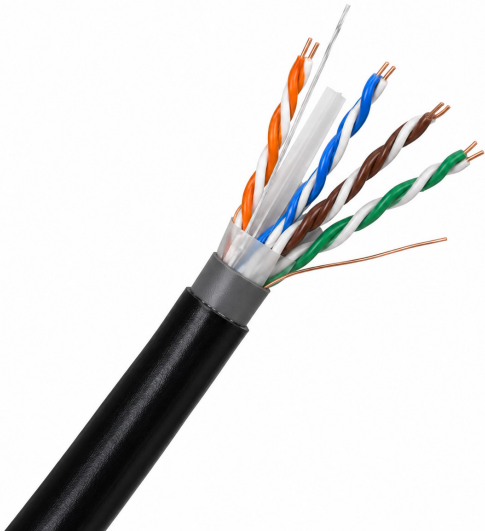
CCA Conductor Efficiency 23 AWG copper-clad aluminum conductors support CAT6 data rates and low resistance across the full 305m run.	Durable PVC Sheath PVC sheath at 6.00 +/- 0.30mm diameter and 0.50 +/- 0.10mm protects against installation and service stress.
HDPE Insulation High-density polyethylene insulation ensures excellent dielectric performance and signal stability up to 50°C.	Integrated Rip-Cord Built-in rip-cord enables clean jacket stripping, saving installation time and preventing conductor damage.
Pair Separator Included Internal cross-member separator maintains pair geometry to reduce crosstalk and preserve CAT6 performance.	Fire-Resistant Build Fire-resistant PVC jacket ensures safe indoor deployment in ambient temperatures from -20°C to 75°C.

TECHNICAL NOTE

Category: CAT6 UTP | Conductor: CCA, 23 AWG | Insulation: HDPE | Sheath: PVC, 0.50 +/- 0.10mm thickness, 6.00 +/- 0.30mm diameter | Sheath Colour: According to customer requirements | Rip-cord: Yes | Separator: Yes | Cable Length: 305 +/- 1.5m | Operating Voltage: 60V | Ambient Temperature: -20°C to 75°C | Package Dimensions: 380mm (W) x 380mm (H) x 240mm (D) | Fire Resistance: Yes | Manufactured by Smart Euronet Electronics LLC.

CAT6 CABLE UTP - 305M OUTDOOR

Outdoor-rated unshielded CAT6 cable with dual-jacket construction for exposed environments



CATEGORY CAT6 UTP Outdoor	CABLE MATERIAL HDPE PVC+PE Jacket
CONDUCTOR 23 AWG CCA	SHEATH DIAMETER 6.80 +/- 0.30 mm
OPERATING VOLTAGE 60 V	AMBIENT TEMPERATURE -20°C to 75°C

OVERVIEW

The Euronet CAT6 UTP 305M Outdoor is an unshielded twisted-pair cable designed for outdoor CCTV and network installations. It features a durable dual-jacket construction (PVC inner and UV-resistant PE outer) to withstand moisture and environmental stress, while its 23 AWG CCA conductors deliver reliable CAT6 data rates. Built for performance across its entire 305-meter length, this cable operates reliably in temperatures ranging from -20°C to 75°C.

KEY FEATURES

Outdoor Dual-Jacket Protection

PVC inner jacket and weather-resistant PE outer jacket protect against moisture, UV, and harsh outdoor exposure.

CCA Conductor Performance

23 AWG copper-clad aluminum conductors maintain CAT6 data rates and low resistance across the full 305m run.

Wider Sheath for Outdoor Durability

At 6.80 +/- 0.30mm diameter, larger than the indoor UTP variant, the sheath provides additional mechanical strength.

High-Strength Mechanical Build

High tensile and compressive construction prevents cable damage during pulling and routing in outdoor projects.

HDPE Insulation

High-density polyethylene insulation ensures excellent dielectric stability and reliable performance up to 50°C.

Fire-Resistant Wide Temp Range

Fire-resistant dual-jacket design ensures safe, compliant operation in ambient temperatures from -20°C to 75°C.

TECHNICAL NOTE

Category: CAT6 UTP Outdoor | Conductor: CCA, 23 AWG | Insulation: HDPE | Inner Jacket: PVC | Outer Jacket: PE | Sheath Thickness: 0.50 +/- 0.20mm | Sheath Diameter: 6.80 +/- 0.30mm | Rip-cord: Yes | Separator: Yes | Cable Length: 305 +/- 1.5m | Operating Voltage: 60V | Ambient Temperature: -20°C to 75°C | Package Dimensions: 290mm (W) x 290mm (H) x 330mm (D) | Fire Resistance: Yes | Manufactured by Smart Euronet Electronics LLC.



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