

Engineered for long-distance, high-power performance, we can deliver:

Product Code: HSP-IND-C6A-PUR-305

Cat6A

Cat6A 23AWG Solid Copper
U/FTP Foil per pair
Conductor screening: Foil per pair
Outer Sheath Colour Black
Reaction-to-fire class EN 13501-6 Eca
Smoke development class EN13501-6 NPD
Fixed Building Installation



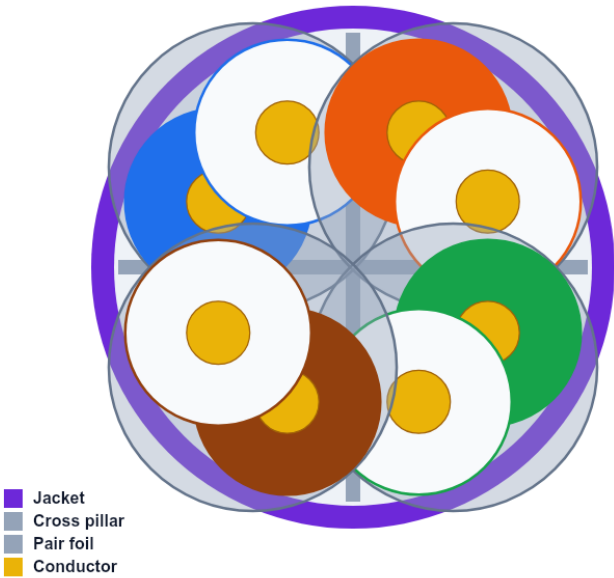
Product Overview

Cat6A Industrial PUR. Hyperspan INDUSTRIAL product for structured copper infrastructure. Confirm final availability and certified documentation with Hyperspan Technical Support for live projects.

Each cable consists of 8 colour-coded solid oxygen-free copper conductors, arranged into four balanced twisted pairs. Construction: U/FTP. Overall screening: None. Conductor screening: Foil per pair.

The cable is finished with a PUR outer sheath (Black) and is intended for 10G industrial where the declared reaction-to-fire performance Eca is required.

Cross-section diagram
U/FTP — foil pairs + cross pillar



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PRODUCT SPECIFICATION

Characteristic	Value
Conductor Surface	Bare copper
Conductor Material	99.99% Oxygen-Free Copper
AWG Size	23 AWG
Conductor Category	Class 1 – Solid
Total Number of Cores	8
Stranding Element	Twisted pairs
Core Insulation	High-density polyethylene (HDPE)
Cable Construction	U/FTP
Overall Screening	None
Conductor Screening	Foil per pair
Outer Sheath Material	PUR
Outer Sheath Colour	Black
Packaging	305m Reel
Flame Retardant (IEC 60332-1-2)	yes
Reaction-to-Fire (EN 13501-6)	Eca
Smoke Development (EN 13501-6)	NPD
Flaming Droplets (EN 13501-6)	NPD
Acidity (EN 13501-6)	NPD
Outer Diameter (approx.)	ca. 6.1–7.5 mm (construction dependent)
Installation Temperature Range	-10°C to +60°C
Operating Temperature Range	-20°C to +75°C
NVP	69 %
Application	10G industrial
Warranty	25-Year System Warranty

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Standards

Applicable Standards	Subject
ISO/IEC 11801	Information technology — Generic cabling for customer premises
EN 50173-1	Information technology — Generic cabling systems
ANSI/TIA-568.2-D	Balanced twisted-pair telecommunications cabling
EN 50575:2014+A1:2016	Power, control and communication cables — reaction to fire
EN 13501-6	Fire classification of construction products — cables
EN 50399	Common test methods for cables under fire conditions
EN 60332-1-2	Tests on electric and optical fibre cables under fire conditions
EN 61034-2	Measurement of smoke density of cables burning under defined conditions
EN 60754-2	Test on gases evolved during combustion of materials from cables

Environmental & Compliance Certifications	
RoHS-II / RoHS-III	Compliant — hazardous substance restrictions
WFD / SCIP	Support for substance information where applicable
POPs (EU)	Persistent organic pollutants requirements observed
CE / UKCA	Conformity marking as applicable to intended market
Declared CPR class	Eca
DoP reference	HSP-DOP-IND-C6A-PUR-305

Power, control and communication cables — cables for general applications in construction works subject to reaction-to-fire requirements. Confirm the certified Declaration of Performance revision with Hyperspan Technical Support before procurement or installation.