



Engineered for long-distance, high-power performance, we can deliver:
Product Code: HSP-IND-C6-PUR-COLD-305

Cat6

Cat6 23AWG Solid Copper
F/UTP Foil overall screening
No Conductor Screening
Outer Sheath Colour Black
Reaction-to-fire class EN 13501-6 Eca
Smoke development class EN13501-6 NPD
Fixed Building Installation



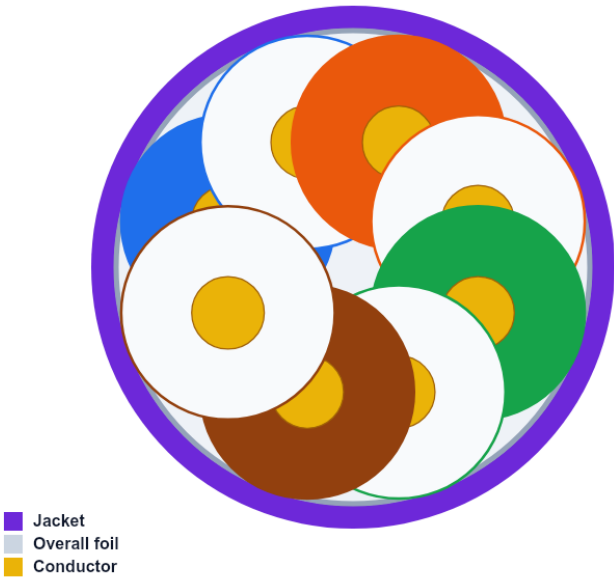
Product Overview

Cat6 Industrial PUR Cold-Rated. 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: F/UTP. Overall screening: Foil. Conductor screening: None.

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

Cross-section diagram
F/UTP — overall foil screen



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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	F/UTP
Overall Screening	Foil
Conductor Screening	None
Outer Sheath Material	PUR
Outer Sheath Colour	Black
Packaging	305 m 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	Cold / flex 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-C6-PUR-COLD-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.