



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

Product Code: HSP-CAT6-INT-FUTP-B2CA-ORANGE-305

Cat6

Cat6 23AWG Solid Copper

F/UTP Foil overall screening

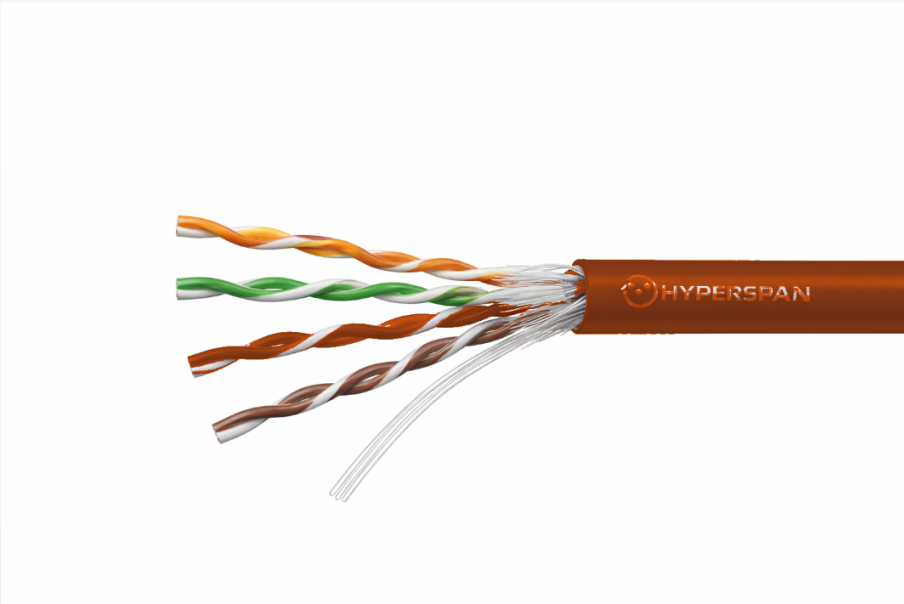
No Conductor Screening

Outer Sheath Colour Orange

Reaction-to-fire class EN 13501-6 B2ca-s1,d1,a1

Smoke development class EN13501-6 S1

Fixed Building Installation



HYPERSPAN

CAT6 · ORANGE

0ca LSZH · Solid copper · Optional colourway

Product Overview

Hyperspan Core™ Cat6 solid copper bulk cable. Cable type F/UTP with X filler, 23 AWG Class 1 solid conductor, LSZH outer sheath (Orange). Declared reaction-to-fire B2ca-s1,d1,a1 under EN 13501-6 / EN 50575. Supplied as 305 m Box. Confirm certified documentation with Hyperspan Technical Support.

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 LSZH outer sheath (Orange) and is intended for Commercial / Enhanced Fire Performance where the declared reaction-to-fire performance B2ca-s1,d1,a1 is required.



Cross-section diagram

F/UTP — overall foil screen



Jacket  
Overall foil  
Conductor



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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           | LSZH                                    |
| Outer Sheath Colour             | Orange                                  |
| Packaging                       | 305 m Box                               |
| Flame Retardant (IEC 60332-1-2) | yes                                     |
| Reaction-to-Fire (EN 13501-6)   | B2ca-s1,d1,a1                           |
| Smoke Development (EN 13501-6)  | s1                                      |
| Flaming Droplets (EN 13501-6)   | d1                                      |
| Acidity (EN 13501-6)            | a1                                      |
| 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                     | Commercial / Enhanced Fire Performance  |
| 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                        | B2ca-s1,d1,a1                                       |
| DoP reference                             | HSP-DOP-CAT6-INT-FUTP-B2CA-ORANGE-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.