

Hyperspan XR Cat6A XR Internal LSZH F/UTP Cca-s1,d1,a1 500 m Blue



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

Product Code: HSP-CAT6A-XR-INT-FUTP-CCA-S1-D1-A1-BLUE-500

Cat6A

Cat6A 22AWG Solid Copper

F/UTP Foil overall screening

No Conductor Screening

Outer Sheath Colour Blue

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

Smoke development class EN13501-6 S1

Fixed Building Installation



Product Overview

Hyperspan XR™ Extended-Reach internal LSZH cable for fixed building installation. Solid 22 AWG Class 1 copper with polyethylene (PE) core insulation, F/UTP with X filler, supplied in a 500 m box. Category Cat6A F/UTP with X filler (cross separator). Declared reaction-to-fire performance: Cca-s1,d1,a1 under EN 13501-6 / EN 50575. Confirm the certified Declaration of Performance revision 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.

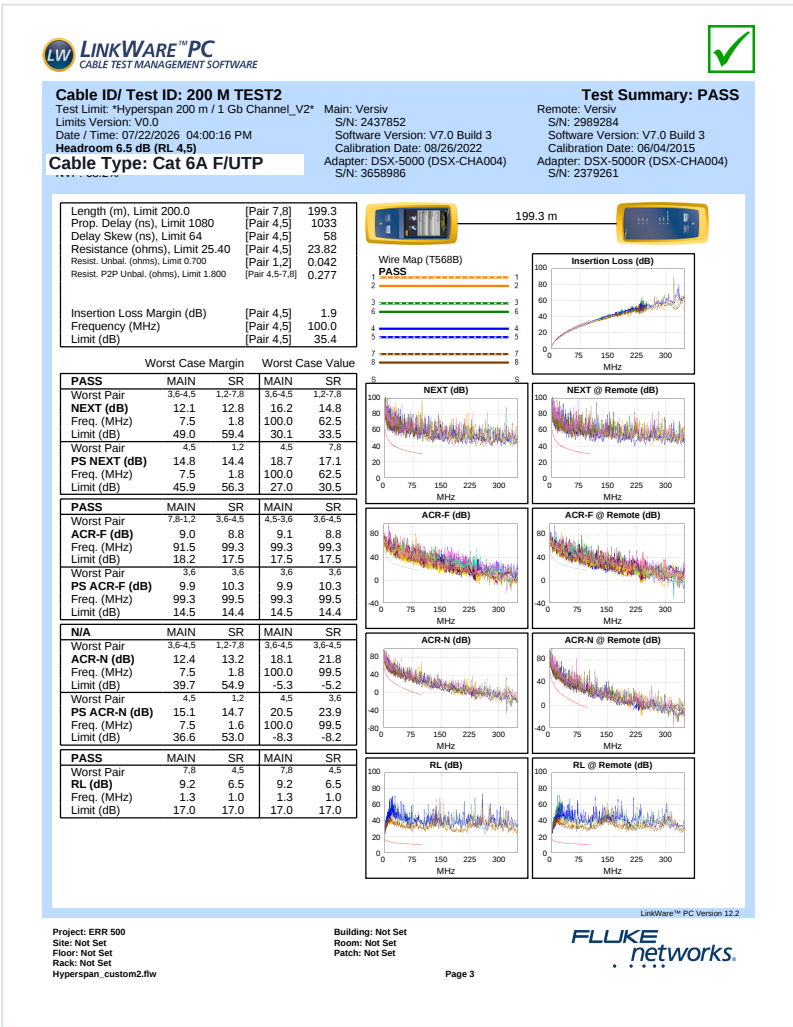
The cable is finished with a LSZH outer sheath (Blue) and is intended for Commercial / general internal installations where the declared reaction-to-fire performance Cca-s1,d1,a1 is required.



Cross-section diagram  
F/UTP — overall foil + cross pillar



- Jacket
- Cross pillar
- Overall foil
- Conductor





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Cat6A

PRODUCT SPECIFICATION

| Characteristic                  | Value                                       |
|---------------------------------|---------------------------------------------|
| Conductor Surface               | Bare copper                                 |
| Conductor Material              | 99.99% Oxygen-Free Copper                   |
| AWG Size                        | 22 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             | Blue                                        |
| Packaging                       | 500 m Box                                   |
| Flame Retardant (IEC 60332-1-2) | yes                                         |
| Reaction-to-Fire (EN 13501-6)   | Cca-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 / general internal installations |
| 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                        | Cca-s1,d1,a1                                        |
| DoP reference                             | HSP-DOP-CAT6A-XR-INT-FUTP-CCA-S1-D1-A1-BLUE-500     |

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.