

Hyperspan XR Cat6 XR Internal LSZH F/UTP B2ca-s1a,d0,a1 500 m Blue



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

Product Code: HSP-CAT6-XR-INT-FUTP-B2CA-S1A-D0-A1-BLUE-500

Cat6

Cat6 22AWG Solid Copper

F/UTP Foil overall screening

No Conductor Screening

Outer Sheath Colour Blue

Reaction-to-fire class EN 13501-6 B2ca-s1a,d0,a1

Smoke development class EN13501-6 S1A

Fixed Building Installation

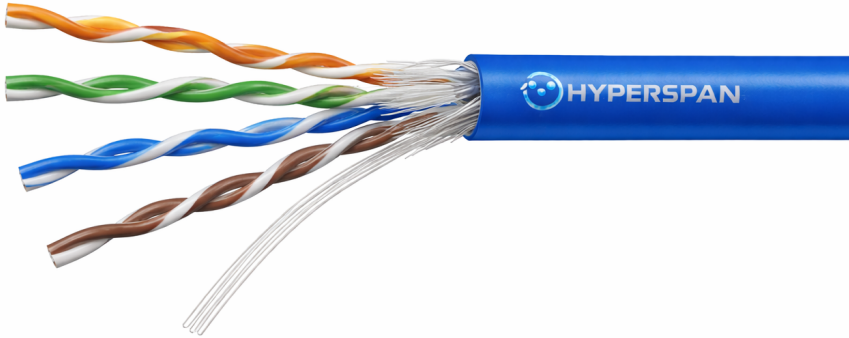


Product Overview

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 Cat6 F/UTP with X filler (cross separator). Declared reaction-to-fire performance: B2ca-s1a,d0,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.

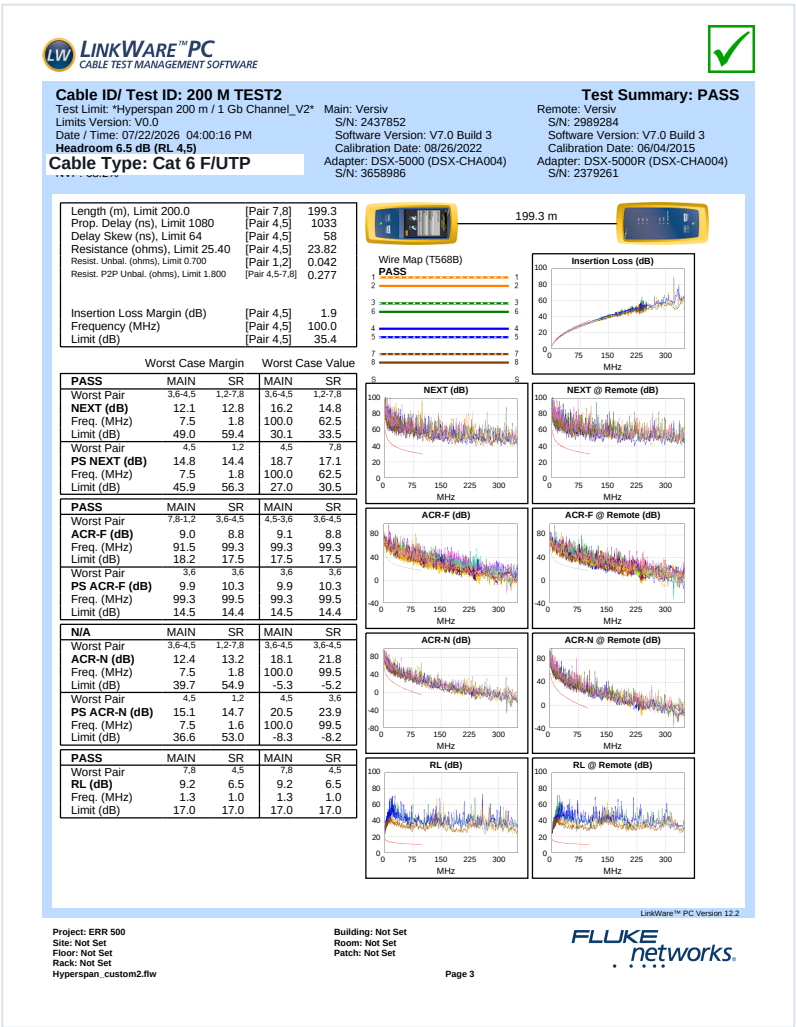
The cable is finished with a LSZH outer sheath (Blue) and is intended for Commercial / general internal installations where the declared reaction-to-fire performance B2ca-s1a,d0,a1 is required.



Cross-section diagram
F/UTP — overall foil screen



Jacket
Overall foil
Conductor



Fluke LinkWare channel test (XR evidence)

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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)	B2ca-s1a,d0,a1
Smoke Development (EN 13501-6)	s1a
Flaming Droplets (EN 13501-6)	d0
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	B2ca-s1a,d0,a1
DoP reference	HSP-DOP-CAT6-XR-INT-FUTP-B2CA-S1A-D0-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.