

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

HSP-CAT6-XR-INT-UUTP-B2CA-S1A-D0-A1-BLUE-500

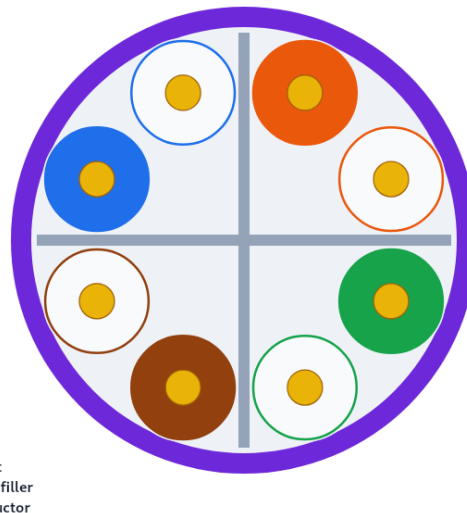
XR extended-reach solid copper cable for this code.



Catalogue photograph

Cross-section diagram

U/UTP — with cross filler



Cross-section U/UTP

Cat6 22 AWG

U/UTP

B2ca-s1a,d0,a1

Blue

PRODUCT OVERVIEW

Hyperspan XR Extended-Reach internal LSZH cable for fixed building installation. Solid 22 AWG Class 1 copper with polyethylene (PE) core insulation, U/UTP with X filler, supplied in a 500 m box. Category Cat6 U/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.

KEY FEATURES

- Cat6 solid copper bulk cable
- U/UTP
- 22 AWG solid conductor
- LSZH, Blue

SPECIFIED WITH

XR faceplate jacks

XR patch leads

Rack patch panels

NOTES

Hyperspan XR Cat6 XR Internal LSZH U/UTP B2ca-s1a,d0,a1 500 m Blue. Solid copper bulk cable for fixed installation. Construction U/UTP. Sheath colour Blue.

Declared reaction to fire B2ca-s1a,d0,a1. Declaration of Performance HSP-DOP-CAT6-XR-INT-UUTP-B2CA-S1A-D0-A1-BLUE-500.

Figures on this sheet are the published catalogue values for this code. Pair it with jacks, panels and patch leads of the same category.

Characteristic	Value for this SKU
Product code	HSP-CAT6-XR-INT-UUTP-B2CA-S1A-D0-A1-BLUE-500
Product name	Hyperspan XR Cat6 XR Internal LSZH U/UTP B2ca-s1a,d0,a1 500 m Blue
Cable type	U/UTP

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Characteristic	Value for this SKU
Category	Cat6
Technology	Hyperspan XR Extended-Reach
Conductor material	Solid oxygen-free copper
Conductor surface	Bare
AWG size	22
Conductor category	Class 1 = solid
Core insulation	Polyethylene (PE)
Total number of cores	8
Stranding element	Pairs
Pair separator	X filler (cross separator)
Overall screening	None
Conductor screening	None
Outer sheath material	LSZH
Outer sheath colour	Blue
Reaction to fire (EN 13501-6)	B2ca-s1a,d0,a1
CPR Euroclass	B2ca
Smoke production	s1a
Flaming droplets / particles	d0
Acidity / corrosivity	a1
Packaging	500 m Box
Intended application	Commercial / general internal installations
Warranty	25-year system warranty available subject to registration, qualifying products, approved installation and testing, and the full Hyperspan warranty terms.
DoP reference	HSP-DOP-CAT6-XR-INT-UUTP-B2CA-S1A-D0-A1-BLUE-500

APPLICABLE STANDARDS

Characteristic	Subject
ISO/IEC 11801	Generic cabling for customer premises
EN 50173-1	Generic cabling systems
ANSI/TIA-568.2-D	Balanced twisted-pair telecommunications cabling
EN 50575 + A1	Cables for construction works, reaction to fire
EN 13501-6	Fire classification of cables
EN 50399	Common fire test methods for cables
EN 60332-1-2	Test for vertical flame propagation
EN 61034-2	Smoke density of burning cables
EN 60754-2	Acidity of gases from burned cable materials



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XR channel evidence

Fluke LinkWare channel report with the cable type set to Cat 6 U/UTP. This page is the XR evidence sheet. Confirm the certified DoP revision before procurement.



Cable ID/ Test ID: 200 M TEST2

Test Limit: *Hyperspan 200 m / 1 Gb Channel_V2*

Limits Version: V0.0

Date / Time: 07/22/2026 04:00:16 PM

Headroom 6.5 dB (RL 4,5)

Cable Type: Cat 6 U/UTP

Main: Versiv

S/N: 2437852

Software Version: V7.0 Build 3

Calibration Date: 08/26/2022

Adapter: DSX-5000 (DSX-CHA004)

S/N: 3658986

Test Summary: PASS

Remote: Versiv

S/N: 2989284

Software Version: V7.0 Build 3

Calibration Date: 06/04/2015

Adapter: DSX-5000R (DSX-CHA004)

S/N: 2379261

Length (m), Limit 200.0	[Pair 7,8]	199.3
Prop. Delay (ns), Limit 1080	[Pair 4,5]	1033
Delay Skew (ns), Limit 64	[Pair 4,5]	58
Resistance (ohms), Limit 25.40	[Pair 4,5]	23.82
Resist. Unbal. (ohms), Limit 0.700	[Pair 1,2]	0.042
Resist. P2P Unbal. (ohms), Limit 1.800	[Pair 4,5-7,8]	0.277

Insertion Loss Margin (dB)	[Pair 4,5]	1.9
Frequency (MHz)	[Pair 4,5]	100.0
Limit (dB)	[Pair 4,5]	35.4

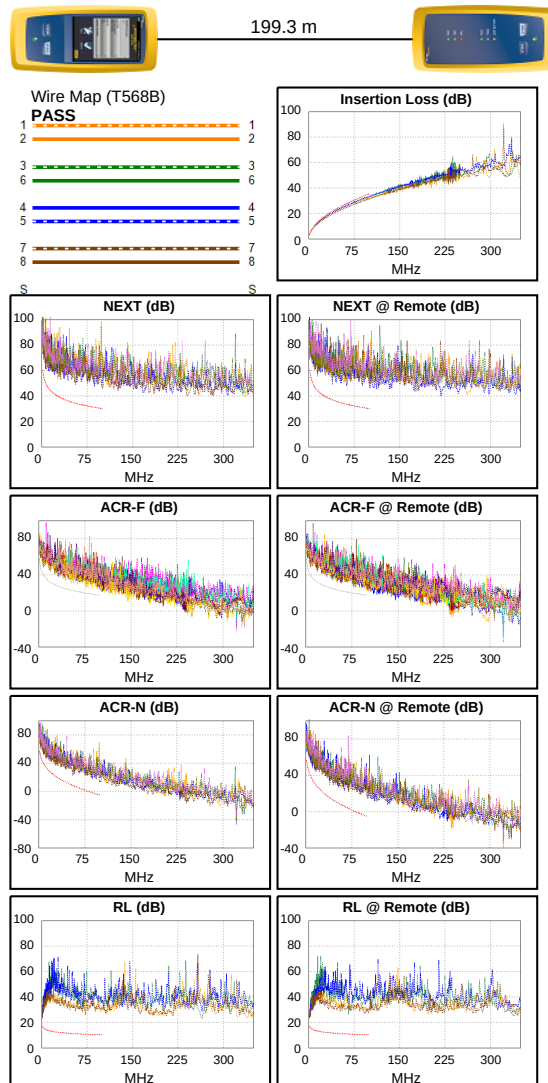
Worst Case Margin Worst Case Value

PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-4,5	1,2-7,8
NEXT (dB)	12.1	12.8	16.2	14.8
Freq. (MHz)	7.5	1.8	100.0	62.5
Limit (dB)	49.0	59.4	30.1	33.5
Worst Pair	4,5	1,2	4,5	7,8
PS NEXT (dB)	14.8	14.4	18.7	17.1
Freq. (MHz)	7.5	1.8	100.0	62.5
Limit (dB)	45.9	56.3	27.0	30.5

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8-1,2	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	9.0	8.8	9.1	8.8
Freq. (MHz)	91.5	99.3	99.3	99.3
Limit (dB)	18.2	17.5	17.5	17.5
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	9.9	10.3	9.9	10.3
Freq. (MHz)	99.3	99.5	99.3	99.5
Limit (dB)	14.5	14.4	14.5	14.4

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-7,8	3,6-4,5	3,6-4,5
ACR-N (dB)	12.4	13.2	18.1	21.8
Freq. (MHz)	7.5	1.8	100.0	99.5
Limit (dB)	39.7	54.9	-5.3	-5.2
Worst Pair	4,5	1,2	4,5	3,6
PS ACR-N (dB)	15.1	14.7	20.5	23.9
Freq. (MHz)	7.5	1.6	100.0	99.5
Limit (dB)	36.6	53.0	-8.3	-8.2

PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	4,5	7,8	4,5
RL (dB)	9.2	6.5	9.2	6.5
Freq. (MHz)	1.3	1.0	1.3	1.0
Limit (dB)	17.0	17.0	17.0	17.0



LinkWare™ PC Version 12.2

Project: ERR 500
Site: Not Set
Floor: Not Set
Rack: Not Set
Hyperspan_custom2.flw

Building: Not Set
Room: Not Set
Patch: Not Set

FLUKE
networks

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