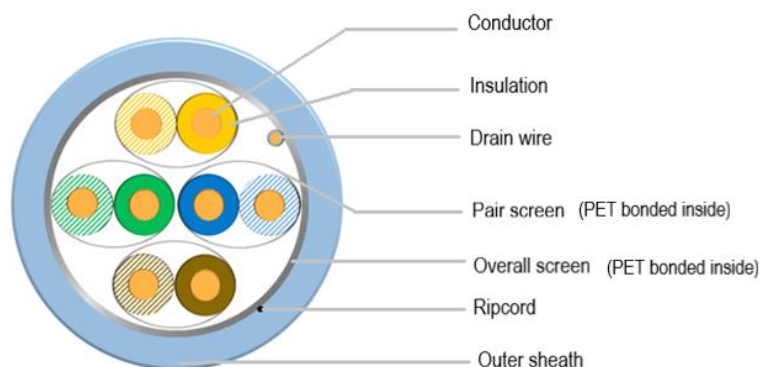


## Draka UC500 Cat.6a F/FTP 23AWG LSFRZH-3A



(Only for reference)

### Application

Generic cabling systems

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T; 10GBase-T

IEEE 802.5 16 MB; ISDN; TPDDI; ATM

IEEE 802.3af (PoE); IEEE 802.3at (PoE+); IEEE802.3bt (PoE++)

### Standards

ANSI/TIA 568.2-D

ISO/IEC 11801-1/2

IEC 61156-5

EN 50173-1

EN 50288-10-1

### Construction

Conductor	Solid copper wire Nom. 0.55 mm ± 0.005 mm (23AWG)
Insulation	Foam PE, Nom. $\varnothing$ 1.32 ± 0.05 mm
Insulation Thickness	Nom. 0.38 mm ± 0.02 mm
Twisting	2 cores to the pair
Pair Screen	Aluminum Laminated Foil with PET bonded inside, Individual Pair Screen
Pair Screen Thickness	Nom. 0.053mm
Cable Lay Up	4 x pairs to the core
Overall Screen	Aluminum Laminated Foil with PET bonded inside, Tinned copper drain wire (26AWG, Nom. 0.40mm)
Overall Screen Thickness	Nom. 0.025mm
Sheath / Colour	LSFRZH-3A (BLUE). (Ripcord Underneath)
Outer Diameter	Nom. $\varnothing$ 7.5 ± 0.3 mm

Approximate Weight	Nom. 50 kg/km
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### Mechanical properties

Bend radius	With Load	$\geq 8 \times \text{O. D}$
	No Load	$\geq 4 \times \text{O. D}$
Temperature range	During operation	-20°C to +60°C
	During installation	0°C to +50°C
	During storage	-20°C to +60°C
Maximum Pulling Force	During installation	110 N

### Electrical properties

Characteristic Impedance	1-100 MHz	$100 \pm 15 \Omega$
	100-250 MHz	$100 \pm 22 \Omega$
	250-500 MHz	$100 \pm 25 \Omega$
DC Resistance		$\leq 9.38 \Omega/100\text{m}$
DC Loop Resistance		$\leq 187.6 \Omega/\text{km}$
DC Resistance Unbalance		$\leq 4\%$
Mutual Capacitance (@1 kHz)		$\leq 5.6 \text{ nF}/100\text{m}$
Capacitance Unbalance	Pair to ground	$\leq 330 \text{ pF}/100\text{m}$
Velocity of Propagation		Nom. 75%
Propagation Delay (@250 MHz)		$\leq 536.0 \text{ ns}/100\text{m}$
Delay Skew		$\leq 45 \text{ ns}/100\text{m}$

### Fire Rating

LSFRZH-3A IEC 60332-1; IEC60332-3-22(3A); IEC 60754-1&2; IEC 61034-2

### Ordering Information

UC Part Number	SAP1C	Description	Packaging
84045BL-5H	TBC	DRAKA UC DATA CATEGORY CABLE UC500 CAT.6A FFTP 4 PAIR 23AWG LSFRZH-3A BLUE IEC 60332-1, IEC60332-3-22, IEC 60754-1&2, IEC 61034	500m/reel

## Marking:

Marked in 1-meter intervals as follows:

**DRAKA UC500 F/FTP LSFRZH-3A CAT 6a CABLE P/N <UC PART NUMBER> VERIFIED TO EN 50288 ISO/IEC 11801 ANSI/TIA-568 <FC> <BATCHCODE> <XXX>M**

<UC PART NUMBER>: Cable part number

<FC>: Draka defined factory Code

<BATCHCODE>: Factory defined tracking code MM/YYYY or WW/YYYY

<XXX>: Increasing length marking by 1 metre

Marking size: 3.0±0.5 mm, Marking color: White on black sheath, black on other color sheath

## Logistic

### Packing:

Wooden Drum.

### Delivery Lengths:

500m per drum.

## Enquiries

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Please contact our local sales office or email to: [mms.asia@prysmiangroup.com](mailto:mms.asia@prysmiangroup.com)

Multimedia Solutions is the data communication portfolio of Prysmian Group and comprises all the necessary portfolio of cable solutions for data communication.

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