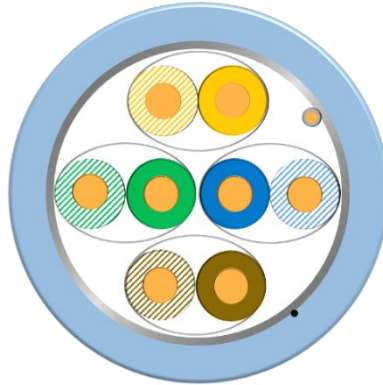


Draka UC500 Cat.6a F/FTP 23AWG LSZH



(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+)

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. $\geq \varnothing$ 0.546 mm (23AWG)
Insulation	Foam PE
Twisting	2 cores to the pair
Pair Screen	High Performance Individual Pair Screen
Cable Lay Up	4 x pairs to the core
Overall Screen	Aluminum Laminated Foil with Tinned copper drain wire
Sheath / Colour	LSZH (BLUE; GREEN). (Ripcord Underneath)
Outer Diameter	Nom. \varnothing 7.5 mm
Approximate Weight	Nom. 52 kg/km

Mechanical properties

Bend radius	With Load	≥ 8 x O. D
	No Load	≥ 4 x O. D
Temperature range	During operation	-20°C to +60°C
	During installation	0°C to +50°C
Maximum Pulling Force	During installation	100 N

Electrical properties

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

Freq. (MHz)	Max. Attenuation (dB)	Min. NEXT (dB)	Min. PS-NEXT (dB)	Min. ACR-F (dB)	Min. PS-ACRF (dB)	Min. Return Loss (dB)
1.0	2.1	74.3	72.3	67.8	64.8	20.0
4.0	3.8	65.3	63.3	55.8	52.8	23.0
16.0	7.5	56.2	54.2	43.7	40.7	25.0
25.0	9.4	53.3	51.3	39.8	36.8	24.3
62.5	15.0	47.7	45.7	31.9	28.9	21.5
100.0	19.1	44.3	42.3	27.8	24.8	20.1
200.0	27.6	39.8	37.8	21.8	18.8	18.0
250.0	31.1	38.3	36.3	19.8	16.8	17.3
500.0	45.3	33.8	31.8	13.8	10.8	15.2

Note1: All tests include 401 points swept frequency measurements

Note2: All electrical characteristics are given at 20°C

Note3: All above stated values are nominal and subject to changes

Note4: Transmission performance based on 100 m (328 ft)

Fire Rating

LSZH IEC 60332-1; IEC 60754-1&2; IEC 61034-2

Ordering Information

UC Part Number	SAP1C	Description	Packaging
84075BL-5H	60093982	DRAKA UCDATA CATEGORY CABLE UC500 CAT.6A FFTP 4 PAIR 23AWG LSZH BLUE IEC 60332-1, IEC 60754-1&2, IEC 61034	500m/reel
84075GN-5H	60093983	DRAKA UCDATA CATEGORY CABLE UC500 CAT.6A FFTP 4 PAIR 23AWG LSZH GREEN IEC 60332-1, IEC 60754-1&2, IEC 61034	500m/reel
84075WH-5H	60094736	DRAKA UCDATA CATEGORY CABLE UC500 CAT.6A FFTP 4 PAIR 23AWG LSZH WHITE IEC 60332-1, IEC 60754-1&2, IEC 61034	500m/reel

Marking:

Marked in 1-meter intervals as follows:

DRAKA UC500 F/FTP LSZH 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

Please contact our local sales office or email to: 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.

Ask about UC CONNECT for a complete Structured Cabling Solutions with 25 Years System Warranty.

Visit www.drakauc.com for more information.

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