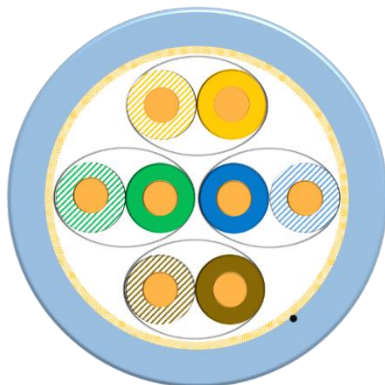


Draka UC900 Cat.7 S/FTP 23AWG LSZH



(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

IEC 61156-1

IEC 61156-5

EN 50288-4-1

Construction

Conductor	Solid copper wire Nom. \varnothing 0.56 \pm 0.005 mm (23AWG)
Insulation	Foam-skin 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	Tinned copper wire braiding
Sheath / Colour	LSZH (BLUE). (Ripcord Underneath)
Outer Diameter	Nom. \varnothing 7.5 \pm 0.2 mm
Approximate Weight	Nom. 52 kg/km

Mechanical properties

Bend radius	With Load	$\geq 8 \times O. D$
	No Load	$\geq 4 \times O. D$
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	$100 \pm 15 \Omega$
	100-250 MHz	$100 \pm 22 \Omega$
	250-500 MHz	$100 \pm 25 \Omega$
DC Loop Resistance		$\leq 149.4 \Omega/\text{km}$
DC Resistance Unbalance		$\leq 2\%$
Insulation Resistance		$\geq 5000 \text{ M}\Omega/\text{km}$
Capacitance Unbalance	Pair to ground	$\leq 1500 \text{ pF}/\text{km}$
Test voltage (DC, 1min), core/core, core/screen		1000V
Coupling attenuation		$\geq 80\text{dB}$
Delay Skew		$\leq 25 \text{ ns}/100\text{m}$

Freq. (MHz)	Max. Attenuation (dB)	Min. NEXT (dB)	Min. ACR-F (dB)	Min. Return Loss (dB)	Min. TCL	Min. EL-TCTL
1.0		78.0	78.0	20.0	40.0	35.0
4.0	3.7	78.0	78.0	23.0	34.0	23.0
10.0	5.9	78.0	74.0	25.0	30.0	15.0
16.0	7.4	78.0	69.9	25.0	28.0	10.9
20.0	8.3	78.0	68.0	25.0	27.0	9.0
31.25	10.4	78.0	64.1	23.6	25.1	5.5
62.5	14.9	75.5	58.1	21.5	22.0	5.5
100.0	19.0	72.4	54.0	20.1	20.0	5.5
250.0	31.0	66.4	46.0	17.3	16.0	5.5
500.0	35.3	61.9	40.0	17.3	13.0	5.5
600.0	50.1	60.7	38.4	17.3	12.2	5.5

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
73075BL-5H	60101091	DRAKA UCDATA CATEGORY CABLE UC900 CAT.7 SFTP 4 PAIR 23AWG LSZH BLUE IEC 60332-1, IEC 60754-1&2, IEC 61034	500m/reel

Marking:

Marked in 1-meter intervals as follows:

DRAKA UC900 S/FTP LSZH CAT 7 CABLE P/N <UC PART NUMBER> VERIFIED TO IEC 61156-5 ISO/IEC 11801 <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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