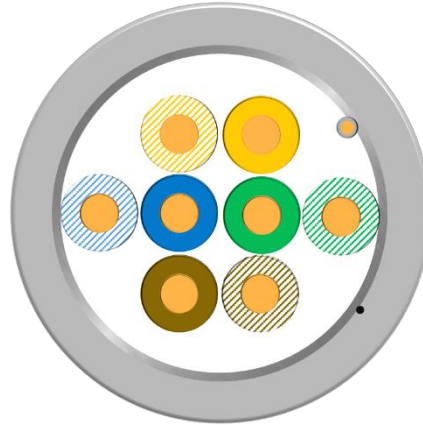


## Draka UC300 Cat.5e F/UTP 24AWG LSZH & PVC



(Only for reference)

### Application

Generic cabling systems

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

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-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 50288-2-1

### Construction

Conductor	Solid copper wire Nom. $\geq \varnothing 0.492$ mm (24AWG)
Insulation	PE
Twisting	2 cores to the pair
Cable Lay Up	4 pairs to the core
Overall Screen	Aluminum laminated foil with tinned copper drain wire
Sheath / Colour	PVC & LSZH (GREY). (Ripcord Underneath)
Outer Diameter	Nom. $\varnothing 5.8$ mm
Approximate Weight	Nom. 36.0 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
DC Loop Resistance		≤ 187.6 Ω/km
DC Resistance Unbalance		≤ 5%
Mutual Capacitance (@1 kHz)		≤ 5.6 nF/100m
Capacitance Unbalance	Pair to ground	≤ 330 pF/100m
Velocity of Propagation		Nom. 65%
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	2.0	65.3	62.3	63.8	60.8	20.0
4.0	4.1	56.3	53.3	51.8	48.8	23.0
10.0	6.5	50.3	47.3	43.8	40.8	25.0
25.0	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.5	17.0	38.4	35.4	27.9	24.9	21.5
100.0	22.0	35.3	32.3	23.8	20.8	20.1

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

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

## Ordering Information

UC Part Number	SAP1C	Description	Packaging
53025GY-3H	60093907	DRAKA UCDATA CATEGORY CABLE UC300 CAT.5E FUTP 4 PAIR 24AWG PVC GREY IEC 60332-1	305 m/reel
53041GY-3H	60093908	DRAKA UCDATA CATEGORY CABLE UC300 CAT.5E FUTP 4 PAIR 24AWG LSZH GREY IEC 60332-1, IEC 60754-1&2, IEC 61034	305 m/reel

### Marking:

Marked in 1-meter intervals as follows:

**DRAKA UC300 F/UTP <SHEATH> CAT 5e CABLE P/N <UC PART NUMBER> VERIFIED TO EN 50288 ISO/IEC 11801 ANSI/TIA-568 <FC> <BATCHCODE> <XXX>M**

<SHEATH>: PVC / LSZH

<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:

305m per drum.

### Enquiries

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

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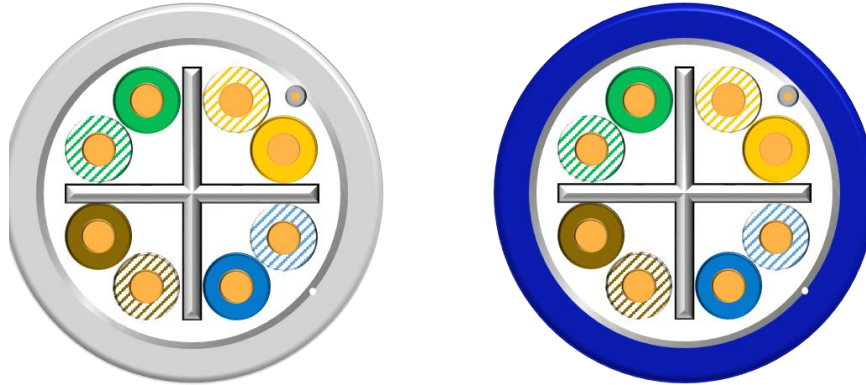
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## Draka UC400 Cat.6 F/UTP 23AWG LSZH & PVC



(Only for reference)

### Application

Generic cabling systems

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

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-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 50288-5-1

### Construction

Conductor	Solid copper wire Nom. $\geq \varnothing$ 0.555 mm (23AWG)
Insulation	PE
Twisting	2 cores to the pair
Cable Lay Up	4 x pairs to the core non-metallic cross separator
Overall Screen	Aluminum Polyester Tape with Tinned copper drain wire
Sheath / Colour	PVC & LSZH (GREY; BLUE). (Ripcord Underneath)
Outer Diameter	Nom. $\varnothing$ 7.1 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	$100 \pm 22 \Omega$
DC Loop Resistance		$\leq 187.6 \Omega/\text{km}$
DC Resistance Unbalance		$\leq 5\%$
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. 65%
Propagation Delay (@250 MHz)		$\leq 536.0 \text{ ns}/100\text{m}$
Delay Skew		$\leq 45 \text{ ns}/100\text{m}$

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	2.0	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	7.6	56.2	54.2	43.7	40.7	25.0
25.0	9.5	53.3	51.3	39.8	36.8	24.3
62.5	15.4	47.7	45.7	31.9	28.9	21.5
100.0	19.8	44.3	42.3	27.8	24.8	20.1
200.0	29.0	39.8	37.8	21.8	18.8	18.0
250.0	32.8	38.3	36.3	19.8	16.8	17.3

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

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

## Ordering Information

UC Part Number	SAP1C	Description	Packaging
61075GY-5H	60093959	DRAKA UCADATA CATEGORY CABLE UC400 CAT.6 FUTP 4 PAIR 23AWG LSZH GREY IEC 60332-1, IEC 60754-1&2, IEC 61034	500 m/reel
61075BL-5H	60093960	DRAKA UCADATA CATEGORY CABLE UC400 CAT.6 FUTP 4 PAIR 23AWG LSZH BLUE IEC 60332-1, IEC 60754-1&2, IEC 61034	500 m/reel
61088GY-5H	60093961	DRAKA UCADATA CATEGORY CABLE UC400 CAT.6 FUTP 4 PAIR 23AWG PVC GREY IEC 60332-1	500 m/reel
61088BL-5H	60093962	DRAKA UCADATA CATEGORY CABLE UC400 CAT.6 FUTP 4 PAIR 23AWG PVC BLUE IEC 60332-1	500 m/reel

## Marking:

Marked in 1-meter intervals as follows:

**DRAKA UC400 F/UTP <SHEATH> CAT 6 CABLE P/N <UC PART NUMBER> VERIFIED TO EN 50288 ISO/IEC 11801 ANSI/TIA-568 <FC> <BATCHCODE> <XXX>M**

<SHEATH>: PVC / LSZH

<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:

PVC / LSZH: Wooden Drum.

### Delivery Lengths:

PVC / LSZH: 500m per drum.

## Enquiries

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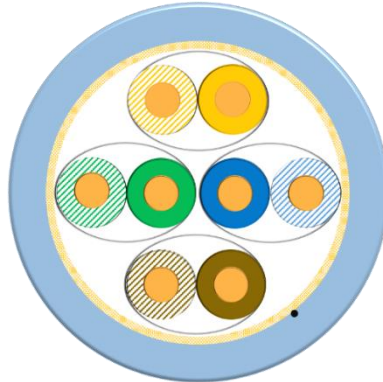
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## Draka UC900 Cat.7 S/FTP 23AWG LSZH



(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±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±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](mailto:mms.asia@prysmiangroup.com)

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