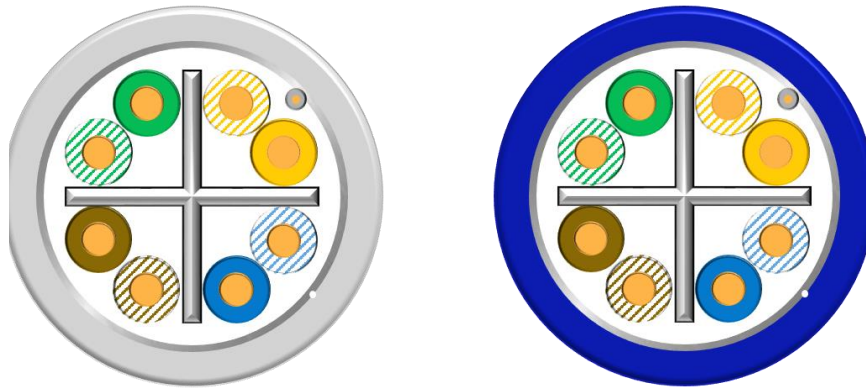


Draka UC400 Cat.6 F/UTP 23AWG LSZH & PVC



(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

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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