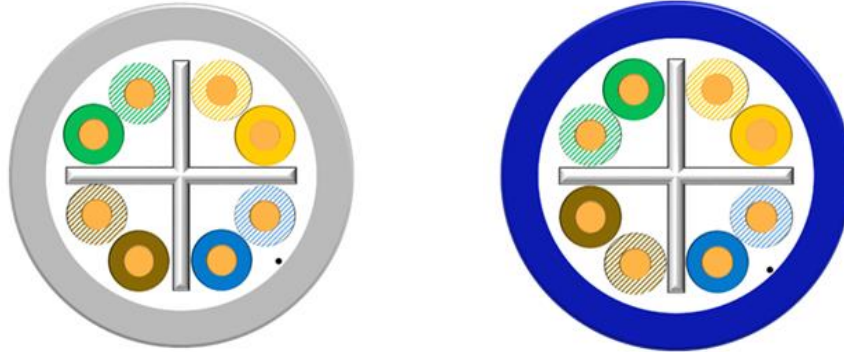


Draka UC400 Cat.6 U/UTP 23AWG LSZH & PVC



(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 50288-6-1

Construction

Conductor	Solid copper wire Nom. $\geq \varnothing 0.546$ mm (23AWG)
Insulation	PE
Twisting	2 cores to the pair
Cable Lay Up	4 x pairs to the core non-metallic cross separator
Sheath / Colour	PVC & LSZH (GREY; BLUE; ORANGE; GREEN). (Ripcord Underneath)
Outer Diameter	Nom. $\varnothing 6.1$ mm
Approximate Weight	Nom. 39 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 +60°C
	During storage	-20°C to +60°C
Maximum Pulling Force	During installation	110 N

Electrical properties

Characteristic Impedance	1-100 MHz	100 ± 15 Ω
	100-250 MHz	100 ± 22 Ω
DC Resistance		≤ 9.38 Ω/100m
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
Voltage Rate		≤ 80 VDC
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	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
60075GY-3H	60093966	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG LSZH GREY IEC 60332-1, IEC 60754-1&2, IEC 61034	305 m/box
60075GY-5H	60093967	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG LSZH GREY IEC 60332-1, IEC 60754-1&2, IEC 61034	500 m/reel
60075OR-3H	60093968	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG LSZH ORANGE IEC 60332-1, IEC 60754-1&2, IEC 61034	305 m/box
60075GN-3H	60093969	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG LSZH GREEN IEC 60332-1, IEC 60754-1&2, IEC 61034	305 m/box
60075BL-3H	60093970	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG LSZH BLUE IEC 60332-1, IEC 60754-1&2, IEC 61034	305 m/box
60075BL-5H	60091251	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG LSZH BLUE IEC 60332-1, IEC 60754-1&2, IEC 61034	500 m/reel
60088GY-3H	60093971	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG PVC GREY IEC 60332-1	305 m/box
60088BL-3H	60093972	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG PVC BLUE IEC 60332-1	305 m/box
60088YL-3H	60100068	DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 UUTP 4 PAIR 23AWG PVC YELLOW IEC 60332-1	305 m/box

Marking:

Marked in 1-meter intervals as follows:

DRAKA UC400 U/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: Reelex Box II or Wooden Drum.

Delivery Lengths:

PVC / LSZH: 305m per box; 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.

© PRYSMIAN GROUP 2022, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.