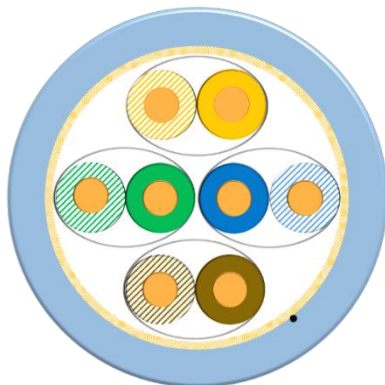


## Draka UC400 Cat.6 S/FTP 23AWG LSZH



(Only for reference)

### Application

Generic cabling systems

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

IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T

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. $\varnothing 0.56 \pm 0.01$ 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     | Tinned copper wire braiding                                   |
| Sheath / Colour    | LSZH (BLUE).<br>(Ripcord Underneath)                          |
| Outer Diameter     | Nom. $\varnothing 7.5 \pm 0.3$ 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 Resistance                |                | $\leq 9.38 \Omega/100m$ |
| DC Loop Resistance           |                | $\leq 187.6 \Omega/km$  |
| DC Resistance Unbalance      |                | $\leq 2.5\%$            |
| Mutual Capacitance (@1 kHz)  |                | $\leq 5.6 nF/100m$      |
| Capacitance Unbalance        | Pair to ground | $\leq 500 pF/100m$      |
| Velocity of Propagation      |                | Nom. 74%                |
| Propagation Delay (@250 MHz) |                | $\leq 570.0 ns/100m$    |
| Delay Skew                   |                | $\leq 45 ns/100m$       |

| Freq.<br>(MHz) | Max.<br>Attenuation (dB) | Min.<br>NEXT (dB) | Min.<br>PS-NEXT<br>(dB) | Min.<br>ACR-F<br>(dB) | Min.<br>PS-ACRF<br>(dB) | Min.<br>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           | 7.6                      | 56.2              | 54.2                    | 43.7                  | 40.7                    | 25.0                     |
| 31.25          | 10.7                     | 51.9              | 49.9                    | 37.9                  | 34.9                    | 23.6                     |
| 62.5           | 15.4                     | 47.4              | 45.4                    | 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

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

## Ordering Information

| UC Part Number | SAP1C    | Description                                                                                                  | Packaging |
|----------------|----------|--------------------------------------------------------------------------------------------------------------|-----------|
| 65075BL-5H     | 60099901 | DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 SFTP 4 PAIR 23AWG LSZH BLUE IEC 60332-1, IEC 60754-1&2, IEC 61034   | 500m/reel |
| 65075GY-5H     | 60099902 | DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 SFTP 4 PAIR 23AWG LSZH GREY IEC 60332-1, IEC 60754-1&2, IEC 61034   | 500m/reel |
| 65075YL-5H     | 60099903 | DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 SFTP 4 PAIR 23AWG LSZH YELLOW IEC 60332-1, IEC 60754-1&2, IEC 61034 | 500m/reel |
| 65075GN-5H     | 60099994 | DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 SFTP 4 PAIR 23AWG LSZH GREEN IEC 60332-1, IEC 60754-1&2, IEC 61034  | 500m/reel |
| 65075BK-5H     | 60099995 | DRAKA UC DATA CATEGORY CABLE UC400 CAT.6 SFTP 4 PAIR 23AWG LSZH BLACK IEC 60332-1, IEC 60754-1&2, IEC 61034  | 500m/reel |

## Marking:

Marked in 1-meter intervals as follows:

**DRAKA UC400 S/FTP LSZH CAT 6 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

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

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