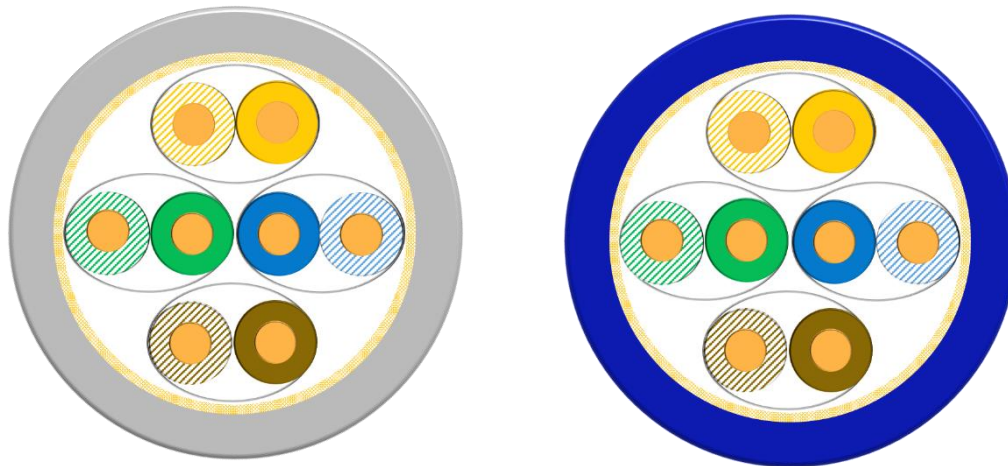


## Draka UC400 Cat. 6 S/FTP 23 AWG

Ethernet cable up to 250 MHz



### 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 EIA/TIA 568-C.2; ISO/IEC 11801 2<sup>nd</sup> Ed.; IEC 61156 2<sup>nd</sup> Ed.; EN 50173-1; EN 50288

### Construction

Conductor	Solid copper wire Nom. $\geq \varnothing$ 0.555 mm (23AWG)
Insulation	Foam Polyethylene
Twisting	2 cores to the pair
Individual Screen	Aluminum Polyester Tape
Cable Lay Up	4 x pairs to the core
Overall Screen	25% Tinned copper braiding
Sheath / Colour	PVC & LSZH & LSFRZH (GREY RAL7035 or BLUE RAL5012)
Outer Diameter	Nom. $\varnothing$ 7.9 mm (PVC & LSZH), $\varnothing$ 8.1 mm (LSFRZH)
Approximate Weight	Nom. 60 kg/km (PVC & LSZH), 70 kg/km (LSFRZH)

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

### Mechanical properties

Bend radius	With Load	≥ 8 x O.D
	No Load	≥ 4 x O.D
Temperature range	During operation	-20°C to +70°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
	100-250 MHz	100 ± 22 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. 75%
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
100.0	19.8	44.3	42.3	27.8	24.8	20.1
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
LSFRZH	IEC 60332-1; IEC 60332-3-24; IEC 60754-1 & -2; IEC 61034

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

### Ordering Information

SAP 1C	UC P/N	Product Description	P.U
TBA	65088	UC 400 Cat 6 S/FTP 23 AWG PVC, IEC 60332-1	500m/reel
TBA	65075	UC 400 Cat 6 S/FTP 23 AWG LSZH, IEC 60332-1	500m/reel
TBA	65048	UC 400 Cat 6 S/FTP 23 AWG LSFRZH, IEC 60332-3-24	500m/reel
TBA	65088BL	UC 400 Cat 6 S/FTP 23 AWG PVC, IEC 60332-1 BLUE	500m/reel
TBA	65075BL	UC 400 Cat 6 S/FTP 23 AWG LSZH, IEC 60332-1 BLUE	500m/reel
TBA	65048BL	UC 400 Cat 6 S/FTP 23 AWG LSFRZH, IEC 60332-3-24 BLUE	500m/reel

**Marking:**

Marked in 1 meter intervals as follows:

**DRAKA UC400 S/FTP <SHEATH> CAT 6 CABLE P/N <PART NUMBER> VERIFIED TO EN 50288 ISO/IEC 11801 ANSI/TIA-568-C.2 <FC> <BATCHCODE> <XXX>M**

<SHEATH>: PVC / LSZH / LSFRZH

<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

### Logistic

**Packing:**

Wooden drum.

**Delivery Lengths:**

500m per drum.

### Packaging Info

Drum design: Refer to MMS Category Drum

Label design: Refer to UC Category Cable Label



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

### Enquiries

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Please contact our local sales office or [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 Structure Cabling Solutions with 25 Years System Warranty.

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