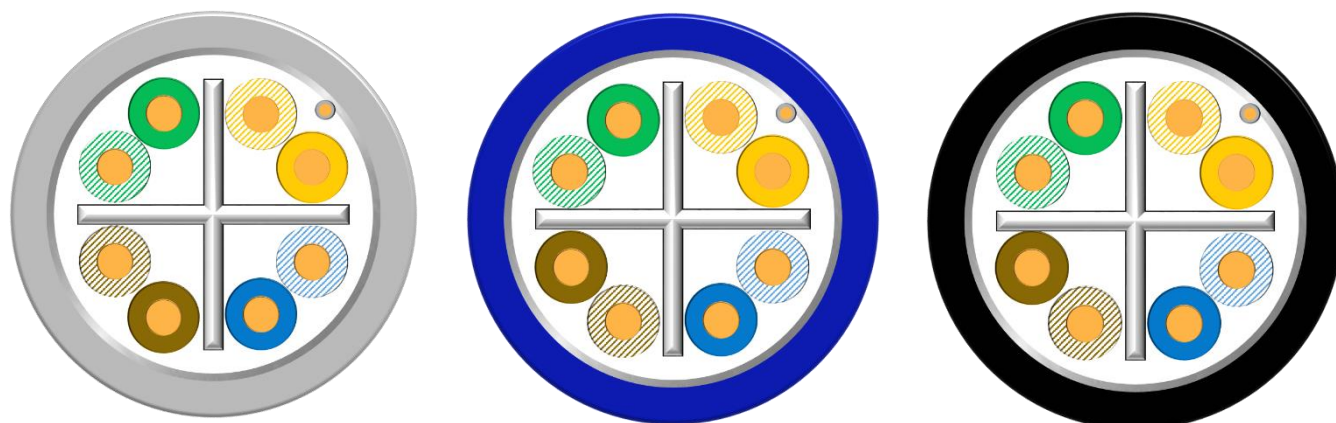


Draka UC400 Cat. 6 F/UTP 23 AWG

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 2nd Ed.; IEC 61156 2nd Ed.; EN 50173-1; EN 50288

Construction

Conductor	Solid copper wire Nom. $\geq \varnothing$ 0.555 mm (23AWG)
Insulation	PE, Nom. $\varnothing$ 0.95 mm
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 (0.4 mm)
Sheath / Colour	PVC alt LSZH alt LSFRZH (GREY RAL7035 or BLUE RAL5012) alt PE (BLACK)
Outer Diameter	Nom. $\varnothing$ 7.2 mm
Approximate Weight	Nom. 55.6 (PVC), 56.8 (LSZH) and 47.8 (PE) kg/km

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Mechanical properties

Bend radius	With Load	$\geq 8 \times \text{O.D}$
	No Load	$\geq 4 \times \text{O.D}$
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 (1-250 MHz)	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
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

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Ordering Information

SAP 1C	UC P/N	Product Description	P.U
TBA	61088	UC 400 Cat 6 F/UTP 23 AWG PVC, IEC 60332-1	500m/reel
TBA	61075	UC 400 Cat 6 F/UTP 23 AWG LSZH, IEC 60332-1	500m/reel
TBA	61048	UC 400 Cat 6 F/UTP 23 AWG LSFRZH, IEC 60332-3-24	500m/reel
TBA	61035	UC 400 Cat 6 F/UTP 23 AWG PE	500m/reel
TBA	61088BL	UC 400 Cat 6 F/UTP 23 AWG PVC, IEC 60332-1 BLUE	500m/reel
TBA	61075BL	UC 400 Cat 6 F/UTP 23 AWG LSZH, IEC 60332-1 BLUE	500m/reel
TBA	61048BL	UC 400 Cat 6 F/UTP 23 AWG LSFRZH, IEC 60332-3-24 BLUE	500m/reel

Marking:

Marked in 1 meter intervals as follows:

**DRAKA UC400 F/UTP <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 / PE

<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 F/UTP 23 AWG

Enquiries

Please contact our local sales office or 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.

Visit www.DrakaUC.com for more information.

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