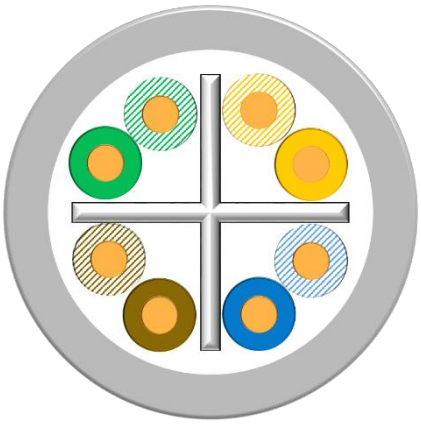
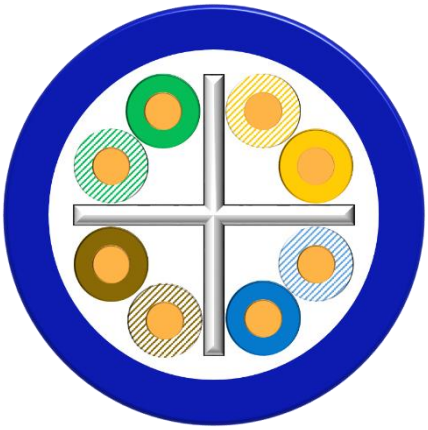
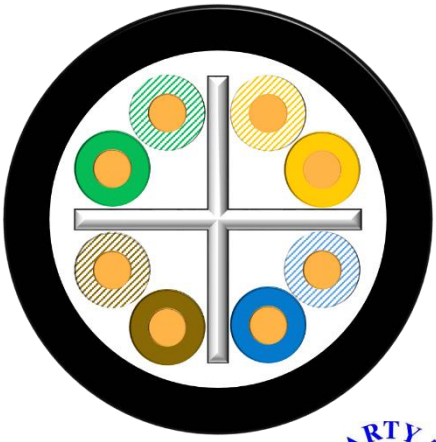
Draka UC400 Cat. 6 U/UTP 23 AWG

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 61156-5 2nd Ed.; EN 50173-1; EN 50288

Construction

Conductor	Solid copper wire Nom. ≥ Ø 0.545 (23AWG)
Insulation	PE, Nom. Ø 0.98 mm
Twisting	2 cores to the pair
Cable Lay Up	4 pairs to the core non-metallic cross separator
Sheath/Sheath Colour	PVC or LSZH: GREY (RAL7035), BLUE (RAL5012) or VIOLET (RAL4005); or PE: BLACK
Outer Diameter	Nom. Ø 6.0 mm
Approximate Weight	Nom. 38.9 (PVC), 40.6 (LSZH) and 35.8 (PE) kg/km

Prysmian Group

PRYSMIAN Draka

Draka UC400 Cat. 6 U/UTP 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 +60°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. 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
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 U/UTP 23 AWG

Ordering Information

SAP 1C	UC P/N	Product Description	P.U
1000134	60088	UC 400 Cat 6 UTP 23 AWG PVC	305m/box
TBC	60088BL	UC 400 Cat 6 UTP 23 AWG PVC BLUE	305m/box
60017496	60075	UC 400 Cat 6 UTP 23 AWG LSZH	305m/box
TBC	60075BL	UC 400 Cat 6 UTP 23 AWG LSZH BLUE	305m/box
TBC	60075VT	UC 400 Cat 6 UTP 23 AWG LSZH VIOLET	500m/reel
60016055	60034	UC 400 Cat 6 UTP 23 AWG PE, Outdoor	500m/reel
TBC	60048	UC 400 Cat 6 UTP 23 AWG LSFRZH	500m/reel
TBC	60048BL	UC 400 Cat 6 UTP 23 AWG LSFRZH BLUE	500m/reel

Marking:
Marked in 1 meter intervals as follows:

DRAKA UC400 U/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
<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:
PVC / LSZH: Reelex Box II; PE / LSFRZH: Wooden Drum.

Delivery Lengths:
PVC / LSZH: 305m per box; PE / LSFRZH: 500m per drum.

Packaging Info

Box design: Refer to Cat6 UUTP Reelex Box II

Label design: Refer to UC Category Cable Label

Draka UC400 Cat. 6 U/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.