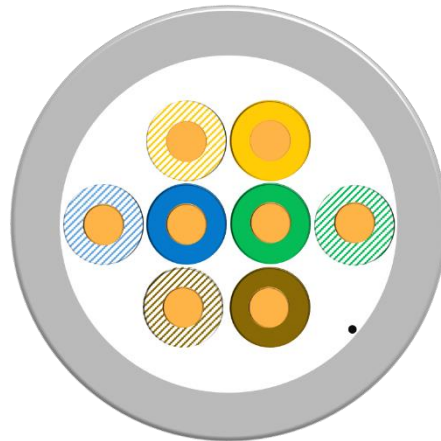


## Draka UC300 Cat.5e U/UTP 24AWG PVC CM



(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 50288-3-1

### Construction

Conductor	Solid copper wire Nom. $\geq \varnothing$ 0.5 mm (24AWG)
Insulation	PE
Twisting	2 cores to the pair
Cable Lay Up	4 pairs to the core
Sheath / Colour	PVC CM (Ripcord Underneath)
Outer Diameter	Nom. $\varnothing$ 5.0 mm
Approximate Weight	Nom. 28.9 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	$100 \pm 15 \Omega$
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. 69%
Propagation Delay (@250 MHz)		$\leq 538.0 \text{ ns}/100\text{m}$
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	65.3	62.3	63.8	60.8	20.0
4.0	4.1	56.3	53.3	51.8	48.8	23.0
10.0	6.5	50.3	47.3	43.8	40.8	25.0
25.0	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.5	17.0	38.4	35.4	27.9	24.9	21.5
100.0	22.0	35.3	32.3	23.8	20.8	20.1

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; CM rated

## Ordering Information

UC Part Number	SAP1C	Description	Packaging
52020GY-3H	60093957	DRAKA UCDATA CATEGORY CABLE UC300 CAT.5E UUTP 4 PAIR 24AWG PVC CM GREY IEC 60332-1	305m/box

## Marking:

Marked in 1-meter intervals as follows:

**E489160 (UL) CM 4PR 24AWG DRAKA UC300 U/UTP PVC CM CAT 5e 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:

Reelex Box.

### Delivery Lengths:

305m per box.

## Enquiries

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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