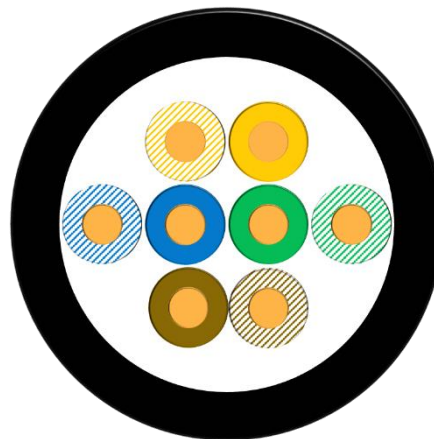
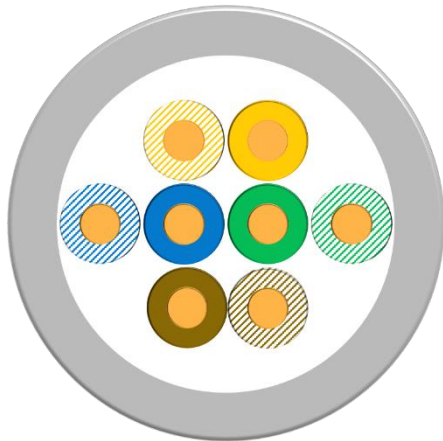


## Draka UC300 Cat. 5e U/UTP 24 AWG

Ethernet cable up to 100MHz



### 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 61156-5 2<sup>nd</sup> Ed.; EN 50173-1; EN 50288

### Construction

Conductor	Solid copper wire Nom. $\geq \varnothing 0.482$ mm (24AWG)
Insulation	PE, Nom. $\varnothing 0.9$ mm
Twisting	2 cores to the pair
Cable Lay Up	4 pairs to the core
Sheath/Sheath Colour	PVC alt. LSZH: GREY (RAL7035); PE: BLACK
Outer Diameter	Nom. $\varnothing 4.9$ mm
Approximate Weight	Nom. 28.8 (PVC), 28.9 (LSZH) and 25.9 (PE) kg/km

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

### Mechanical properties

Minimum Bending 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
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 (@100 MHz)		≤ 538.0 ns/100m
Delay Skew		≤ 45.0 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	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
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
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 UC300 Cat. 5e U/UTP 24 AWG

### Ordering Information

SAP 1C	UC P/N	Product Description	P.U
60011062	52004	UC 300 Cat5e UTP 24 AWG PVC	305m/box
60026275	52026	UC 300 Cat5e UTP 24 AWG LSZH	305m/box
60010244	52034	UC 300 Cat5e UTP 24 AWG PE, Outdoor	500m/reel
TBA	52048	UC 300 Cat5e UTP 24 AWG LSRZH	500m/reel

#### Marking:

Marked in 1 meter intervals as follows:

**DRAKA UC300 U/UTP <SHEATH> CAT 5e CABLE P/N <PART NUMBER> VERIFIED TO EN 50288 ISO/IEC 11801  
ANSI/TIA-568-C.2 <FC> <BATCHCODE> <XXX>M**

<SHEATH>: PVC / LSZH / LSRZH

<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 I; PE / LSRZH: Wooden Drum.

#### Delivery Lengths:

PVC / LSZH: 305m per box; PE / LSRZH: 500m per drum.

### Packaging Info

Box design: Refer to Cat5e UUTP Reelex Box I

Label design: Refer to UC Category Cable Label

## Draka UC300 Cat. 5e U/UTP 24 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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