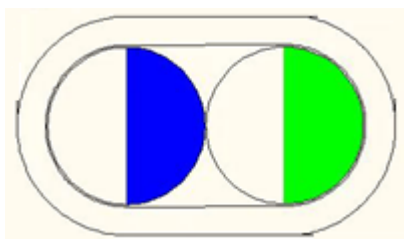


Draka Category 3 U/UTP Multi-pair PE /LSZH(PVC), Indoor



(Only for reference)

Application

Generic cabling systems, ATM & Token Ring

Supports up to 100Base-T4, 16MHz frequency range. Suitable for Telephone & Security application.

Standards

ANSI/TIA 568-C.2

ISO/IEC 11801-1/2

Construction

Conductor	Solid copper wire Nom. $\varnothing 0.49 \pm 0.01\text{mm}$ (24AWG)	
Insulation	PE with colour marking on white core	
Insulation colour code	White/Blue-Blue White/Green-Green	
Sheath / Colour	GREY	
Outer Diameter	2Pair	Nom. $\varnothing 4.5 \times 3.0 \text{ mm}$
Approximate Weight	2Pair	24 kg/km

Mechanical properties

Bend radius	With Load	$\geq 15 \times \text{O. D}$
	No Load	$\geq 10 \times \text{O. D}$
Temperature range	During operation	-20°C to $+70^{\circ}\text{C}$
	During installation	0°C to $+50^{\circ}\text{C}$
Maximum Pulling Force	During installation	100 N

Electrical properties

DC Resistance		$\leq 117 \Omega/\text{km}$
Insulation DC Resistance		$\leq 5000 \text{ M}\Omega.\text{km}$
Dielectric Strength DC (KV/1min)	- Between Conductor	1.0
	- Core to screen	2.5
Conductor Resistance Max. Unbalance		$\leq 5\%$
Mutual Capacitance (@1 MHz)		6.6 nF/100m
Capacitance Unbalance	Pair to ground	$\leq 160 \text{ nF}/100\text{m}$
Velocity of Propagation		Nom. 63%

Freq. (MHz)	Max. Attenuation (dB)	Min. NEXT (dB)	Min. ELFEXT (dB)	Min. Return Loss (dB)
4.0	5.6	32.3	27.0	12.0
8.0	8.5	27.8	20.9	12.0
10.0	9.7	26.3	19.0	12.0
16.0	13.1	23.2	14.9	10.0

Note1: All electrical characteristics are given at 20°C

Note2: All above stated values are nominal and subject to changes

Note3: Transmission performance based on 100 m (328 ft)

Fire Rating

PVC	IEC 60332-1
LSZH	IEC 60332-1; IEC60754-1&-2; IEC61034-1

Ordering Information

UC Part Number	SAP1C	Description	Packaging
ISV30250GY-5H	60102044	DRAKA MMS SPECIAL Cat3 U/UTP 2 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISV30550GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 5 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISV31050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 10 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISV32050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 20 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISV32550GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 25 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISV35050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 50 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISV310050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 100 Pair 0.50mm Cu/PE/PVC GRAY	500m/drum
ISM30250GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 2 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum

ISM30550GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 5 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum
ISM31050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 10 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum
ISM32050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 20 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum
ISM32550GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 25 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum
ISM35050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 50 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum
ISM310050GY-5H	TBC	DRAKA MMS SPECIAL Cat3 U/UTP 100 Pair 0.50mm Cu/PE/LSZH GRAY	500m/drum

Marking:

Height: 30% of the cable OD.

Marked in 1-meter intervals as follows:

DRAKA Cat 3 U/UTP, Multi-pair, Indoor <UC Part Number> <Pair Qty>P <XX>AWG <SHEATH> <FC> <BATCH CODE> <XXX>M

<UC PART NUMBER>: Cable part number

<PAIR QTY>: Denotes pair quantity

<XX>: Denotes conductor size in AWG

<SHEATH>: Denotes outer sheath PVC or LSZH

<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:

Wooden drum.

Delivery Lengths:

500m per drum.

Enquiries

Please contact our local sales office or email to: 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.

Visit www.drakauc.com for more information.

© PRYSMIAN GROUP 2022, All Rights Reserved

All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian Group: any modification or alteration afterwards of product may give different result.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed to be correct at the time of issue. Prysmian Group reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by Prysmian Group.