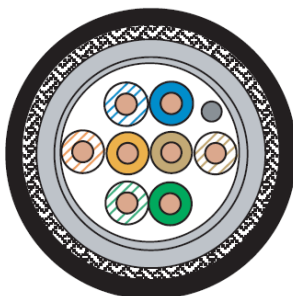


Draka UC300 Cat.5e F/UTP SWB LSZH

Category cable for Land Transport Authority



Application

Generic Data transmission. This cable is a Cat5e F/UTP cable is meant for use as installation/horizontal cable in demanding electrical and mechanical environment.

Standards

EIA/TIA 568C;
ISO/IEC 11801 2nd ed.; IEC 61156-5
EN 50173; EN 50288-3-1

Fire rating

LSZH : IEC 60332-1

Construction

Conductor	Bare copper wire Ø 0.51 mm (AWG24)
Insulation	PE, Nom. Ø 1.03 mm
Twisting	2 cores to the pair
Overall Screen	Aluminium Polyester Tape
Drain Wire	Tinned Copper ; Ø 0.495 ± 0.008 mm
Inner Sheath	LSZH
Armouring	0.3mm Galvanised Steel Braid, Coverage 80%
Outer sheath	LSZH

Mechanical properties

Bending radius	Installation	8 x D
Temperature range	During operation	-10°C to + 60°C
	During installation	-10°C to + 60°C

Electrical properties

at 20°C ± 5°C

Loop resistance		≤ 170 Ω/km
Resistance unbalance		≤ 2%
Characteristic Impedence	1-130Mhz	100 Ω ± 15 ohm
Mutual capacitance	at 800 Hz	Nom. 43 nF/km
Capacitance unbalance	(pair/ground)	≤ 300 pF/km
Nominal Velocity of Propagation		0.69c

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Electrical data (nominal)

(at 20°C)

Fq. (MHZ)	Max. Ins. Loss (dB/100m)	Min. Return loss (dB)	Pair to Pair		Power Sum		Max. Prop. Delay (ns/100)
			Min. NEXT (dB/100m)	Min ELFEXT (dB/100m)	Min. NEXT (dB/100m)	Min ELFEXT (dB/100m)	
1,0	--	20,0	--	--	--	--	--
4,0	4,1	23,0	56,3	52,0	53,3	55,0	552,0
10,0	6,5	25,0	50,3	44,0	47,3	47,0	545,4
16,0	8,3	25,0	47,2	39,9	44,2	42,9	543,0
20,0	9,3	25,0	45,8	38,0	42,8	41,0	542,0
31,2	11,7	23,6	42,9	34,1	39,9	37,1	540,4
62,5	17,0	21,5	38,4	28,1	35,4	31,1	538,6
100,0	22,0	20,1	35,3	24,0	32,3	27,0	537,6

Note 1 : All tests include 401 points swept frequency measurements.

Note 2 : All electrical characteristics are given at 20°C.

Sheath Colour & Marking:

Black , the outer sheath is marked in 1 meter intervals as follows:

DRAKA UC300 F/UTP LSZH SWB CAT 5E CABLE P/N <PART NUMBER> ANSI/TIA 568 C.2 ISO/IEC 11801 STANDARD <BATCH CODE> <LENGTH MARKING>M

PART NUMBER denotes cable part number
BATCHCODE denotes cable production batch
XXX denotes length in metre

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 305m per drum ± 5%.

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.

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