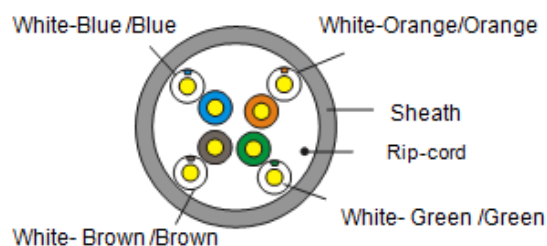


InfraLan cable U/UTP Cat.5e LSZH, Class D_{s2,d2,a1}

DK-ICD5EUW-V1



Application/Approvals

Application:	Primary (Campus), Secondary (Riser), Tertiary (Horizontal) IEEE 802.3an: 10Base-T, 100Base-TX, 1000Base-T, IEEE 802.5, 16Mbit, ISDN, TPDDI, ATM
Standards:	ISO/IEC 11801-1:2017, ISO/IEC11801-2:2017, EN50173-1:2018, EN50173-2:2018
Fire protection:	IEC 60332-1
Reaction to fire:	EN50399, EN50575
Halogenfree:	IEC 60754
Low smoke:	IEC 61034
Segregation Class:	B, EN50174-2
CPR:	Class Dca,s2,d2,a1

Construction

Conductor:	Solid Bare Copper Wire Nom.OD = 0,49mm (AWG24) +/-0,01
Conductor Insulation:	HDPE, Diameter = 0,87 +/-0,08mm
Outer Diameter:	5,0mm +/-0,2
Sheath material:	LSZH (low Smoke zero Halogen) RoHS Compliant
Drain Wire:	No
Sheath Color:	White RAL9010
Sheath printing:	Letter hight 3,0mm +/-0,3 "Description + batchno. + meter marking"
Core Color pair 1:	White-blue / blue
Core Color pair 2:	White-Orange/ Orange
Core Color pair 3:	White-Green / Green
Core Color pair 4:	White-Brown / brown

Electrical Characteristics (at 20°C)

Impedance :	1-100Mhz: 100Ω +/-15
DC Resistance :	< 9,5Ω/100 mtr
Velocity ration (NVP) :	69%
High Voltage test :	1KV/DC 1 min.



Mechanical Characteristics

Bending Radius :	4 x cable O.D. without load / 8 x cable O.D. with load
Temperature range:	During Operation: -20°C - +60°C / During Installation: -0°C - +50°C
Pull Force :	100N

Technical Performance (100 mtr)

Frequency MHz	RL dB	Att. (20°C) dB/100m	NEXT dB	PSNEXT dB	ELFEXT dB	PSELFEXT dB
1,0	20,0	2,0	65,3	570,00	63,8	60,8
4,0	23,0	4,1	56,3	552,00	51,8	48,8
8,0	24,5	5,8	51,8	546,73	45,7	42,7
10,0	25,0	6,5	50,3	545,38	43,8	40,8
16,0	25,0	8,2	47,2	543,00	39,7	36,7
20,0	25,0	9,3	45,8	542,05	37,8	34,8
25,0	24,3	10,4	44,3	541,20	35,8	32,8
31,3	23,6	11,7	42,9	540,44	33,9	30,9
62,5	21,5	17,0	38,4	538,55	27,9	24,9
100,0	20,1	22,0	35,3	537,60	23,8	20,8

Package Information

305 mtr. box :	Dimension: HxDxW, 36x36x20cm White carton box with logo and label Netto weight: 8,6 kg Brutto weight: 9,3 kg.
500 mtr. drum :	Dimension: DxH, 37/15cm x 20cm Wodden drum with label Netto weight: 14,0 kg Brutto weight: 15,0 kg

Ordering Information

Order no.	EAN	Description	Color	Packsize
DK-ICD5EUW.305-V1	5705721137565	InfraLan Cable Cat.5e, U/UTP, LSZH, Class Dca	White	305 mtr.
DK-ICD5EUW.500-V1	5705721137572	InfraLan Cable Cat.5e, U/UTP, LSZH, Class Dca	White	500 mtr.