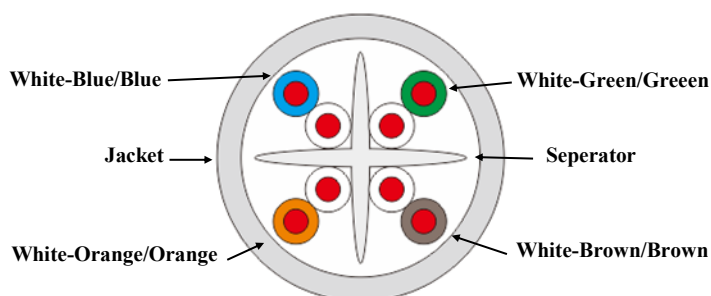


InfraLan cable U/UTP Cat.6 LSZH, Class D,<sub>s2</sub>,d<sub>2</sub>,a<sub>1</sub>

DK-ICD6UW-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 IEEE 802.3af-2002: POE, IEEE 802.3at: POE+(30W), IEEE 802.3bt: PoE+ (90W)
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, <sub>s2</sub> ,d <sub>2</sub> ,a <sub>1</sub>

## Construction

Conductor:	Solid Bare Copper Wire Nom.OD = 0,55mm (AWG23) +/-0,01
Conductor Insulation:	HDPE, Diameter = 0,97 +/-0,08mm
Outer Diameter:	5,6mm +/-0,2
Sheath material:	LSZH (low Smoke zero Halogen ) RoHS Compliant
Drain Wire:	No
Sheath Color:	White RAL9003
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 - 100-250Mhz: 100Ω +/-20
DC Resistance :	< 91,3Ω/1Km
Velocity ration (NVP) :	70%
High Voltage Test :	2,5KV/DC 2 sec.

## Mechanical Characteristics

Bending Radius :	4 x cable O.D. without load / 8 x cable O.D. with load
Temperature range:	During Operation: -20°C - +75°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
4,0	23,0	3,8	66,3	63,3	56,0	53,0
10,0	25,0	6,0	60,3	57,3	48,0	45,0
16,0	25,0	7,6	57,2	54,2	43,9	40,9
20,0	25,0	8,5	55,8	52,8	42,0	39,0
31,3	23,6	10,7	52,9	49,9	38,1	35,1
62,5	21,5	15,5	48,4	45,4	32,1	29,1
100,0	20,1	19,9	45,3	42,3	28,0	25,0
155,5	18,8	25,3	42,4	39,4	24,2	21,2
175,0	18,4	27,1	41,7	38,7	23,1	20,1
200,0	18,0	29,1	40,8	37,8	22,0	19,0
250,0	17,3	33,0	39,3	36,3	20,0	17,0

## Package Information

305 mtr. box :	Dimension: HxDxW, 40x40x22cm White carton box with logo and label Netto weight: 11,8 kg Brutto weight: 12,5 kg.
500 mtr. drum :	Dimension: DxH, 40/15cm x 25cm Wodden drum with label Netto weight: 19,3 kg Brutto weight: 22,5 kg

## Ordering Information

Order no.	EAN	Description	Color	Packsizes
DK-ICD6UW.305-V1	5705721137541	InfraLan Cable Cat.6, U/UTP, LSZH, Class Dca	White	305 mtr.
DK-ICD6UW.500-V1	5705721137558	InfraLan Cable Cat.6, U/UTP, LSZH, Class Dca	White	500 mtr.

