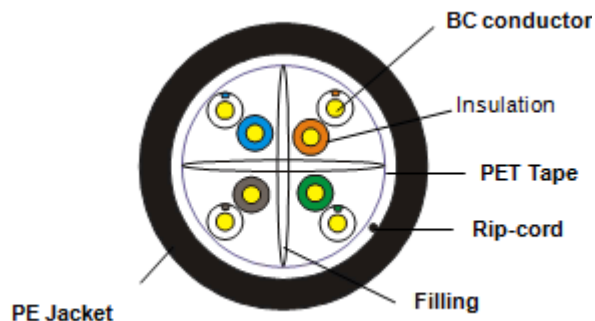


Installation Cable U/UTP Cat.6 4 pair  
PE, Outdoor

Drawing no.  
DK-IC6UPEB



## Application & standards

For outdoor installation and direct burial. As the cable is without gel, it's recommended to pull the cable into at buried conduit.

- Application: Ethernet 10Base-T, 100Base-TX, 1000Base-T Gigabit, Token Ring, 622Mbps ATM, 155 Mbps ATM.
- Standards: ISO/IEC 11801, EN-50173, TIA568-C.2, YD/T1019
- UV Resistance: Yes
- Segregation class: B in accordance to EN50174-2
- CPR: Class Fca, EN-50575

## Cable construction

- Conductor: Solid Bare Copper Wire Nom.OD = 0,55mm (AWG23) +/-0,005
- Conductor Insulation: HDPE, Diameter = 0,98 +/-0,03mm
- Sheath thickness: 0,6 mm +/-0,05
- Outer Diameter: 6,4mm +/-0,4
- Sheath material: LDPE, RoHS Compliant
- Sheath Color: Black
- Sheath printing: Letter height 3,0mm +/-0,3 "Description + batchno. + meter marking"
- Core Color pair1: White-blue / blue
- Core Color pair2: White-Orange/ Orange
- Core Color pair3: White-Green / Green
- Core Color pair4: White-Brown / brown

## Mecanical Charateristics

- Bending Radius: 4 x cable O.D. without load / 8 x cable O.D. with load
- Rip Cord: Yes
- Drain Wire: No
- Temperature Range: During Operation: -40°C - +75°C / During Installation: -20°C - +50°C
- Netto weight: 11,9 kg/305 mtr. - 19,5 kg/500 mtr.
- Brutto weight: 12,7 kg/305 mtr - 21,5 kg/500 mtr.
- Pull Force: 100N

## Electrical Characteristics (at 20°C)

- Impedance: 1,0-250,0Mhz: 100Ω +/- 15
- Delay Skew: 1,0-250,0Mhz: ≤45 ns/100m
- DC Resistance: Max 9,5 Ω/100m
- DC conductor: Resistance Unbalanced, Max 5,0%
- NVP: 69%

## Technical Performance (100mtr)

Frequency MHz	RL ≥dB	Att. (20°C) ≤ dB	NEXT ≥ dB	PHASE DELAY ≤ ns	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥ dB
1	20.0	2.03	74.3	570.00	72.3	67.8	64.8
4.0	23.0	3.78	65.3	552.00	63.3	55.8	52.8
8.0	24.5	5.32	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.95	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.55	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.47	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.51	53.3	541.20	51.3	39.8	36.8
31.25	23.6	10.67	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.38	47.7	538.55	45.4	31.9	28.9
100	20.1	19.80	44.3	537.60	42.3	27.8	24.8
200	18.0	28.98	39.8	536.54	37.8	21.8	18.8
250	17.3	32.85	38.3	536.27	36.3	19.8	16.8

## Package information

305 mtr.: HxDxW 42x42x24cm White carton box with logo and label.

## Ordering information

Order no.	EAN Code	Description	Colour	Packsize
DK-IC6UPEB.305	5705721127085	Cable Cat.6 U/UTP 4x2xAWG23 PE	Black	305m/box