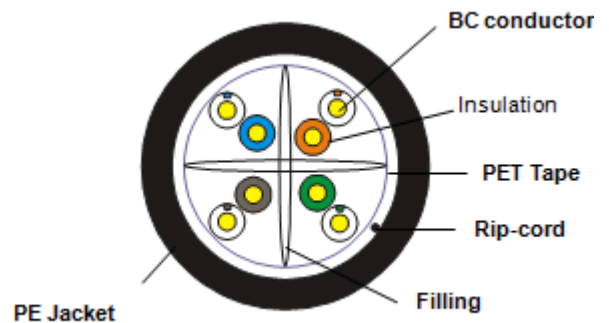


Installation Cable U/UTP Cat.6A, 4 pair
PE, Outdoor

Drawing no.
DK-IC6AUPEB



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, 10G-Base-T, Token Ring, 622Mbps, ATM, 155 Mbps ATM.
- Standards: ISO/IEC 11801-1:2017, ISO/IEC11801-2:2017, EN-50173-1:2018, EN50173-2:2018, 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 = 0,565mm (AWG23) +/-0,005
- Conductor Insulation: HDPE, Diameter = 0,99 +/-0,03mm
- Sheath thickness: 0,55 mm +/-0,05
- Outer Diameter: 6,7mm +/-0,5
- Sheath material: LDPE (Complies with RoHS)
- 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

- Jacket properties: Before aging Tensile strenght (Mpa): ≥ 10.0 / Elongation(%): ≥ 350
- Aging period: (C° x hrs) 100°C x 24h x 10d
- After aging: Elongation(%) ≥ 300 - Cold bend (-20 \pm 2°C x 4h) : No visible cracks
- 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: 12,3 kg/305 mtr.
- Brutto weight: 15,0 kg/305 mtr.
- Pull Force: 100N

Electrical Characteristics (at 20°C)

- Impedance: 1,0 - 250,0 Mhz: 100Ω +/- 15
250,0 - 500,0Mhz: 100Ω +/- 22
- Delay Skew: 1,0-500,0Mhz: ≤45 ns/100m
- DC Resistance: Max 9,38 Ω/100m
- DC conductor: Resistance Unbalanced, Max 5,0%
- NVP: 68%

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	2.1	74.3	570.00	72.3	67.8	64.8
4.0	23.0	3.8	65.3	552.00	63.3	55.8	52.8
8.0	24.5	5.3	60.8	546.73	58.8	49.7	46.7
10.0	25.0	5.9	59.3	545.38	57.3	47.8	44.8
16.0	25.0	7.5	56.2	543.00	54.2	43.7	40.7
20.0	25.0	8.4	54.8	542.05	52.8	41.8	38.8
25.0	24.3	9.4	53.3	541.20	51.3	39.8	36.8
31.25	23.6	10.5	51.9	540.44	49.9	37.9	34.9
62.5	21.5	15.0	47.7	538.55	45.4	31.9	28.9
100	20.1	19.1	44.3	537.60	42.3	27.8	24.8
200	18.0	27.6	39.8	536.54	37.8	21.8	18.8
250	17.3	31.1	38.3	536.27	36.3	19.8	16.8
300	16.8	34.3	37.1	536.10	35.1	18.3	15.3
500	15.2	45.3	33.8	535.6	31.8	13.8	10.8

Installation

Only for outdoor use.

Package information

305 mtr.: HxDxW 38,5 x 32,5 x 38,5cm White carton, Reel In Box, with logo and label.

Ordering information

Order no.	EAN Code	Description	Colour	Packsize
DK-IC6AUPEB.305	5705721145577	Cable Cat.6A U/UTP 4x2xAWG23 PE, Outdoor	Black	305m/box