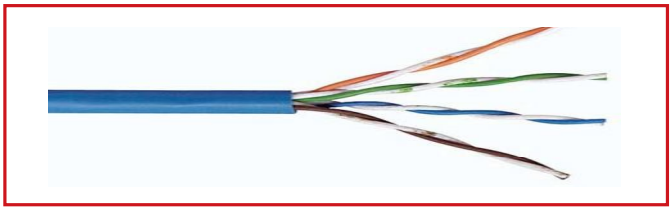
DATA SHEET: HSEKU424P1 / HSEKU424P0
U/UTP CABLE CAT.5e



APPLICATION

- Cable for horizontal (primary)- and vertical (secondary)- cabling
- Installationcable for indoor use in structured cabling systems.
- Suitable for all applications Class D like:
  - ISDN
  - Ethernet 10 BaseT
  - Fast Ethernet 100 BaseTX
  - Gigabit Ethernet 1000 BaseT
  - Token Ring 4/16 Mbit/s
  - ATM 155 Mbit/s
  - VoIP (Voice over IP)
  - PoE (Power over Ethernet)

STANDARDS

- ISO/IEC 11801 (2002)
- EN 50173 (2002)
- EN50288-3-1 (2nd Ed.)

CHARACTERISTICS

Insulated Conductors:	8 conductors, twisted in 4 pairs
Basic Conductor:	Solid copper wire 0,51mm, AWG24/1
Insulation:	HDPE, Diameter 0,9 mm (nom.)
Individual Shield:	None
Overall Shield:	None
Outer Jacket:	PVC
Outer Jacket Thickness:	0,5 mm (nom.)
Outer Diameter:	5,2 mm
Colour:	Blue or Grey
Colours of conductors:	Pair 1 Blue – White/Blue Pair 2 Orange – White/Orange Pair 3 Green – White/Green Pair 4 Brown – White/Brown

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TECHNICAL DATA

Operating temperature range:	-10°C to +60°C
Storage temperature range:	-20°C to +60°C
Installation temperature range:	+ 0°C to +50°C
Minimum Bending Radius – Permanent:	4x Outer Diameter
Minimum Bending Radius – Installation:	8x Outer Diameter
Pulling Force:	max. 90 N
Total Weight:	30 kg/km (nom.)
Capacity:	max. 56 pF/m
DC Resistance:	max. 93,8 Ohm/km
Velocity of Propagation NVP:	0.69 c (nom.)
SKEW:	max. 45 ns/100m (1-100 MHz)
Characteristic Impedance:	100 ± 15 Ohm (1-125 MHz)

RoHS

- Conforms to EU Directive 2002/95/EC

ELECTRICAL CHARACTERISTICS AT 20°C

Attenuation

Frequency	4	8	10	16	20	25	31,25	62,5	100	125	MHz
Typical	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17,0	22,0	25,0	dB/100m

NEXT (Near End Crosstalk)

Frequency	1	4	8	10	16	20	25	31,25	62,5	100	125	MHz
Typical	65	56	51	50	47	45	44	42	38	35	34	dB

Power Sum NEXT

Frequency	1	4	8	10	16	20	25	31,25	62,5	100	125	MHz
Typical	62	53	48	47	44	42	41	39	35	32	31	dB

PACKAGING

- 305m cable in a box
- Box: 350x350x210mm

TYPE	COPPERWEIGHT (kg/km)	ORDER NUMBER
U/UTP Cable 4x2xAWG24/1 Cat.5e PVC blue	15	HSEKU424P1
U/UTP Cable 4x2xAWG24/1 Cat.5e PVC grey	15	HSEKU424P0

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