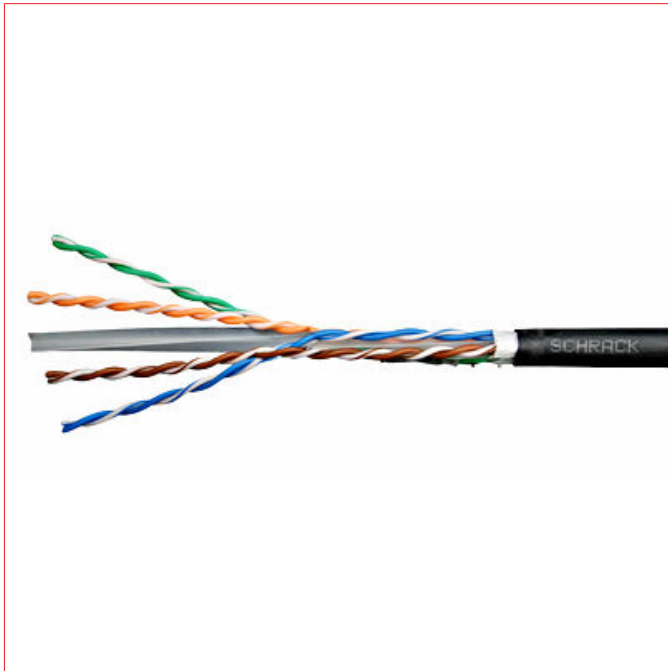


Data Sheet for Article: HSEKU423E3

# U/UTP Cable Cat.6, 4x2xAWG23/1, PE OUTDOOR, black, Box



## SCHRACK-Info

### APPLICATION

Installation cable for outdoor use in structured cabling systems.  
Suitable for all applications Class E 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)
- EN 50288-6-1



## Technical Data

Category	Cat.6
Cable shielding	U/UTP
Conductor	4 unshielded pairs
Conductor material	Solid bare copper AWG23/1 (0.58mm)
Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Insulation material	Low density polyethylene (LDPE)
Nominal diameter over insulation (mm)	0,5
Shielding	unshielded
Cable jacket	PE (Outdoor)
Outside diameter (mm)	6,5
Net diameter (mm)	6,50
Net weight (kg)	0,04
Weight nominal (kg/km)	30
Colour	Black
Length/Put-ups	305m - Box
Min. ambient temperature (°C)	-10
Max. ambient temperature (°C)	60
Temperature range - Operation (°C)	-10 to +60
Temperature range - Transport/storage (°C)	-20 to +60
Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Static (Ø)	4
Bending radii cable - Dynamic (Ø)	8
Max. pulling tension (N)	90
Rated voltage	< 60V DC and < 42V AC
DC resistance at 20° C (Ohm/100m)	< 9,38
Mutual capacitance (nF/km)	< 56
Characteristic impedance (Ω)	100 ± 15Ω (1-125 MHz)
RoHS	Compliant with EU directive 2002/95/EC
SKEW (ns/100m)	≤ 45
NVP (%)	069
Net length (mm)	1.000,00
Put-ups	Box 305m

## ELECTRICAL CHARACTERISTICS AT 20°C

Frequency	1	4	10	16	20	31,25	62,5	100	150	200	250	MHz
Attenuation	-	3,8	6	7,6	8,5	10,7	15,5	19,9	25,3	29,2	33	dB/100m
NEXT	66	65	59	56	55	52	47	44	41	40	38	dB/100m
PS NEXT	64	63	57	54	53	50	45	42	39	38	36	dB/100m

## Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
U/UTP Cable Cat.6, 4x2xAWG23/1, PE OUTDOOR, black, Box	069	20	HSEKU423E3

### Optional Accessories

TOOLLESS LINE Jack RJ45 unshielded, Cat.6 (SFA)			HSEMRJ6UWS
Back to back cable tie black 16mm x 4m			Q7KB0416-S
Back to back cable tie blue 16mm x 4m			Q7KB0416-B
Back to back cable tie red 16mm x 4m			Q7KB0416-R
Back to back cable tie yellow 16mm x 4m			Q7KB0416-Y
Back to back cable tie green 16mm x 4m			Q7KB0416-U