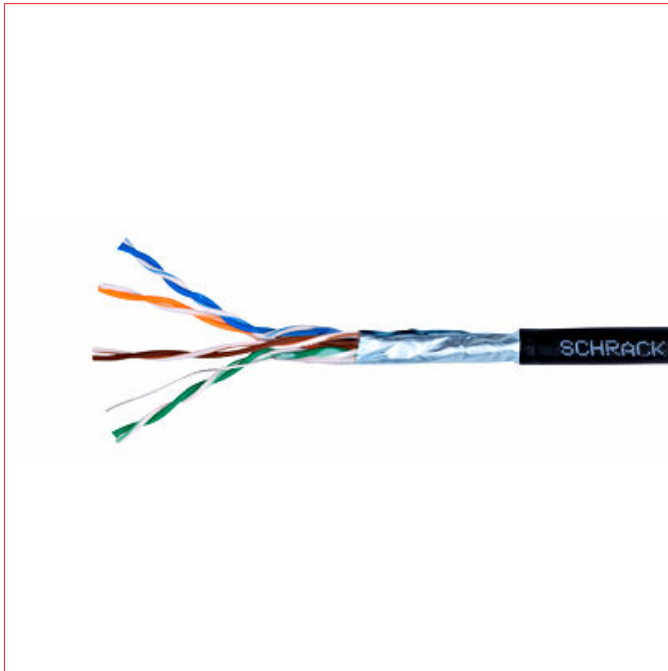


Data Sheet for Article: HSEKF424E3

F/UTP Cable Cat.5e, 4x2xAWG24/1, PE, OUTDOOR, black, Box



SCHRACK-Info

- Outdoor installation cables for use in structured cabling systems
- Ideal for all Class D applications such as:
 - Phone
 - 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 50288-3-1 (2nd Edition)



Technical Data

Category	Cat.5e
Cable shielding	F/UTP
Conductor	4 unshielded pairs
Conductor material	Solid bare copper AWG24/1 (0.52mm)
Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Insulation material	High density polyethylene (HDPE)
Nominal diameter over insulation (mm)	1,055
Shielding	shielded
Overall Shield	Aluminum foil
Cable jacket	PE (Outdoor)
Outside diameter (mm)	6
Net diameter (mm)	6,00
Net weight (kg)	0,04
Weight nominal (kg/km)	33
Colour	Black
Length/Put-ups	305m - Box
Min. ambient temperature (°C)	-20
Max. ambient temperature (°C)	70
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)	100
Rated voltage	< 60V DC and < 42V AC
DC resistance at 20° C (Ohm/100m)	< 9,38
Impedance (Ohm)	100 ± 15Ω (1 - 125MHz)
Mutual capacitance (nF/km)	< 56
RoHS	Compliant with EU directive 2002/95/EC
SKEW (ns/100m)	45
NVP (%)	75
Net length (mm)	1.000,00

ELECTRICAL CHARACTERISTICS AT 20°C

Frequency	1	4	8	10	16	20	25	31,25	62,5	100	125	MHz
Attenuation	2,0	4,1	5,8	6,5	8,2	9,3	10,4	11,7	17	22	24,9	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62,3	53,3	48,8	47,3	44,2	42,8	41,3	39,9	35,4	32,3	30,8	dB/100m

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
F/UTP Cable Cat.5e, 4x2xAWG24/1, PE, OUTDOOR, black, Box	75	17	HSEKF424E3

Optional Accessories

TOOLLESS LINE Jack RJ45 shielded, Cat.5e (SFA)			HSEMRJ5GWS
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