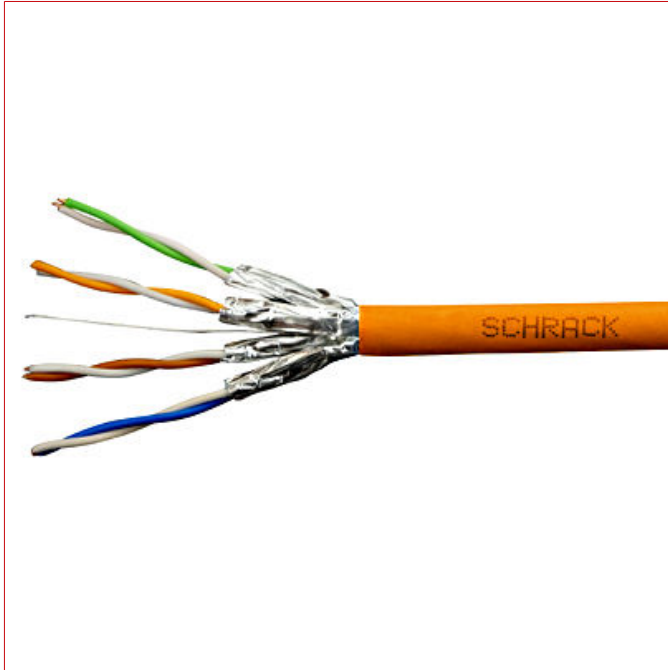


Data Sheet for Article: HSKF423CN9

U/FTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LSOH B2ca-s 1a, d1, a1

orange, Box 100m



SCHRACK-Info

Installation cable for generic cabling systems

APPLICATION

- Horizontal and building backbone cable
- Support current and future Category 6A and 6 applications, such as: 10GBase-T (10 Gigabit Ethernet), 1000Base-T (Gigabit Ethernet), 100 Base-T, 10 Base-T, FDDI, ATM

GENERAL STANDARDS

- International standard: ISO/IEC 11801 2nd edition (2002) and ISO/IEC 11801 Amendment 2 (2010)
- European standard: EN 50173-1 (2002) and EN 50173-1 Amendment 1 (2009)
- U.S. Standard: ANSI/TIA/EIA 568-B.2-10 (2008)

Technical Data

Category	Cat.6A
Cable shielding	U/FTP
Conductor material	Solid bare copper AWG23/1
Conductor	4 individual shielded pairs

Technical Data - continued

Color code pairs	Pair 1 White / Blue Pair 2 White / Orange Pair 3 White / Green Pair 4 White / Brown
Insulation material	Foamed polyethylene
Nominal diameter over insulation (mm)	1,32
Shielding	shielded
Pair-Foil	Laminated aluminium polyester, Aluminium facing outside (PiMF)
Ripcord	Nylon
Cable jacket	LS0H
Jacket	LS0H
Euroclass acc. to EN50575	B2ca
Smoke production	s1a
Droplets	d1
Acidity	a1
Sheath colour	orange
Burning load (kJ/m)	600
Drain wire	Ja
Coat thickness (mm)	1,32
Smoke density - transmittance (%)	≥80
Amount of halogen acid gas - pH	≥4.3
Amount of halogen acid gas - Conductivity (μS/m)	≤10
Outside diameter (mm)	7,1 ± 0,3
Weight nominal (kg/km)	48
Colour	Orange
Temperature range - Operation (°C)	-30 to +60
Temperature range - Installation (°C)	+0 to +50
Bending radii cable - Operation (longterm) (Ø)	4
Bending radii cable - Installation (shortterm) (Ø)	8
Max. pulling tension (N)	90
Rated voltage	72 VDC
Max. continuous current per conductor (25°C) (A)	1,50
DC resistance at 20° C (Ohm/100m)	≤9,5
Insulation resistance (MΩ*km)	≥5000
Resistance unbalance: within a pair / between pairs (%)	≤2 / ≤4
Dielectric strength conductor – conductor (2 sec) (kV DC)	2,50
Mutual capacitance (nF/km)	≤56
Capacitance unbalance pair to ground (pF/km)	≤1600
Coupling attenuation according IEC 61156-5	Type 2
Elongation at break of the conductors (%)	10
Minimum elongation at break of the insulation (%)	≥100
Minimum elongation at break of the sheath (%)	≥100
Tensile strength of sheath (MPa)	≥9

Technical Data - continued

SKEW (ns/100m)	≤45
NVP (%)	77
Length/Put-ups	100m - Box
IEEE Compliance	PoE: IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Net length (mm)	1.000,00
Net diameter (mm)	7,10
Net weight (kg)	0,05
Min. ambient temperature (°C)	-30
Max. ambient temperature (°C)	60

Article Table

DESCRIPTION	NVP (%)	COPPER WEIGHT (kg/km)	Order No.
U/FTP Cable Cat.6a, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1 orange, Box 100m	77	20	HSKF423CN9
Optional Accessories			
S-JACK Module RJ45 shielded, Cat.6a 10GB, 24 pieces box 4PPoE 100W, SFB			HSEMRJ6GS2
S-JACK Module RJ45 shielded, Cat.6a 10GB, Single Pack 4PPoE 100W, SFB			HSEMRJ6GS1
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFB)			HSEMRJ6GBA
TOOLLESS LINE Jack RJ45 shielded, Cat.6a 10GB 4PPoE 100W (SFA)			HSEMRJ6GWA
Cable dispenser for 250kg Load for drums up to 52cm width			HTOOL00006
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 black 16mm x 4m			Q7KB0416-S
Back to back cable tie yellow 16mm x 4m			Q7KB0416-Y
Back to back cable tie green 16mm x 4m			Q7KB0416-U