

Cat. 7 Verlegekabel, S/FTP, PullBox, orange, 305m Cat. 7 solid cable, S/FTP, PullBox, orange, 305m



DEUTSCH

Cat. 7 Netzwerkabel, geeignet für die strukturierte Gebäudeverkabelung im Innenraum. Das perfekte Standard Kabel gemäß: ISO/IEC 11801-1 Ed.1.0 (2017-11) IEC 61156-5 Ed.3.0 (2020-04)

- Spezifikation: Cat. 7
- Standards: ISO/IEC 11801-1 & EN 50288-2-1 & ANSI/TIA-568.2-D & IEC 60332-1-2 60754-2, 61034-2 60332-1-3, EN 50575:2014 + A1:2016, EN 13501-6:2014
- Übertragungsfrequenz bis zu: 600MHz
- Schirmungsklasse: S/FTP
- Aufbau Kabel: AWG 23/1, 0.55CU
- Adern Typ: Massivleiter / Starr (solid)
- Kabelmantel: LSZH (Halogenfrei)
- Farbe Kabel: orange (RAL2003)
- Kabelaufdruck:
kabelschweiz.ch - Cat. 7 S/FTP AWG23/1 LSZH - ISO/IEC 11801 IEC 61156-5 EN 50288-4-1 CE - Euro-class Dca NB 0051 (ww/yy) <metermarking>
- Wicklung: Spule in Pull Box

ENGLISH

Cat. 7 network cable, field of application: indoor structured cabling. The perfect standard cable according to: ISO / IEC 11801-1 Ed.1.0 (2017-11) IEC 61156-5 Ed.3.0 (2020-04)

- Specification: Cat. 7
- Standards: ISO/IEC 11801-1 & EN 50288-2-1 & ANSI/TIA-568.2-D & IEC 60332-1-2 60754-2, 61034-2 60332-1-3
- Transmission frequency up to: 600MHz
- Shielding class: S/FTP
- Cable structure: AWG 23/1, 0.55CU
- Wire type: solid
- Material cable sheath: LSZH (halogenfree)
- Color cable: orange (RAL2003)
- Cableprint:
kabelschweiz.ch - Cat. 7 S/FTP AWG23/1 LSZH - ISO/IEC 11801 IEC 61156-5 EN 50288-4-1 CE - Euro-class Dca NB 0051 (ww/yy) <metermarking>
- Winding: spool with pull box



Länge Length	Farbe Color	Artikelnummer Itemnumber	EAN Barcode	VE Packing unit	Gewicht (Kg) Weight (Kg)	Maße (mm) Size (mm)
305.0m	weiß	900000	4251720399974	1		385x355x395
305.0m	grau	900100	4251720399981	1		385x355x395
305.0m	orange	900200	4251720399998	1		385x355x395

Letzte Änderungen: 14.01.2024

Media Connect Distribution GmbH

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TECHNISCHE EIGENSCHAFTEN TECHNICAL SPECIFICATIONS

ISO / IEC Kategorie	Kat. 7 / Cat. 7
ISO/IEC Klasse	Klasse F / Class F
Standards	ISO/IEC 11801-1 & EN 50288-2-1 & ANSI/TIA-568.2-D & IEC 60332-1-2 60754-2, 61034-2 60332-1-3
Übertragungsfrequenz bis zu (MHz)	600
Übertragungsrate bis zu (Gbit/s)	10
Schirmungsklasse	S/FTP
Kabelaufbau	AWG 23/1 (0.55)
Schirmung	Schirmgeflecht und Folie
Innenleiter Material	Kupfer
Adern Typ	Massivleiter / Starr (solid)
Adern Anzahl	8 (4 x 2 twisted pair), mit Rip Cord
Kabeltyp	Rundkabel
Kabelmantelmaterial	LSZH
Kabeldurchmesser (mm)	7,5
BauPVO Euroklasse	Dca s1a d1 a1
Farbe Kabel	orange
RAL	2003
Kabelaufdruck	kabelschweiz.ch - Cat. 7 S/FTP AWG23/1 LSZH - ISO/IEC 11801 IEC 61156-5 EN 50288-4-1 CE - Euro-class Dca NB 0051 (ww/yy) <metermarking>
Wicklung	Spule in Pull Box
Kennzeichnung	CE, WEEE
3P (Third Party Testing)	complies with the Category 7 performance requirements of edition 1.0 of ISO/IEC Generic Cabling Standard 11801-1:2017, CENELEC Generic Cabling Standard EN 50173-1:2018, the Category 6A requirements of ANSI/TIA Generic Cabling Standard 568.2-D:2018, edition 2.1 of IEC Cable Standard 61156-5:2012 and the requirements of CENELEC Cable Standard EN 50288-4-1:2013. Flame safety is verified according to IEC 60332-1-2, IEC 61034-1, IEC 61034-2, incl. amendment 1 and IEC 60754-2 The cable has EMC Performance Rating 9.



Letzte Änderungen: 14.01.2024

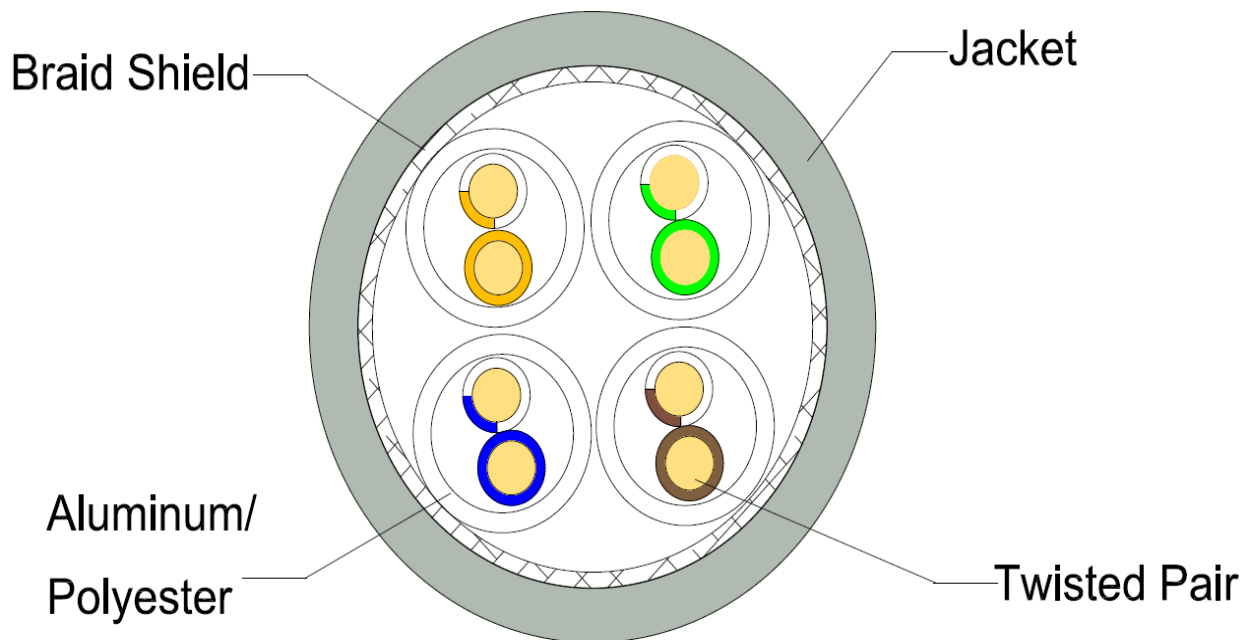
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TECHNISCHE ZEICHNUNG TECHNICAL DRAWING



COLOR CODES

Insulation Color:

- P1: White / Blue & Blue
- P2: White / Orange & Orange
- P3: White / Green & Green
- P4: White / Brown & Brown

APPLICATIONS

- 10BASE-T (IEEE 802.3)
- 4/16 Mbps TOKEN RING (IEEE 802.5)
- 100BASE-VG-AnyLAN
- 100 Mbps TP-PMD (ANSI X3T9.5)
- 100BASE-T (IEEE 802.3)
- 55/155 Mbps ATM
- 1000BASE-T (Gigabit Ethernet)
- 1.2 Gbps ATM
- 10G BASE-T)

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TECHNISCHE ZEICHNUNG 2
TECHNICAL DRAWING 2

CONSTRUCTION

Conductor Material		99.99% Solid Bare Copper
Conductor Number		8C(4 pairs)
Cable AWG		23
Construction(± 0.01 mm)		1/0.55
Shield Overlap		aluminum/polyester $\geq 25\%$
Braid Shield 16/6/0.12 Coverage		Aluminum Magnesium Alloy wire $\geq 40\%$
Insulation	Material	SKIN-FOAM- SKIN
	Nom. Thickness(mm)	0.37
	Diameter(± 0.05 mm)	1.35
Jacket	Material	LSZH
	Nom. Thickness(mm)	0.50
	Diameter(± 0.30 mm)	7.50

ELECTRICAL PERFORMANCE

Max. Conductor DC Resistance (Ω /km)		93
Min. Insulation Resistance (M Ω -KM)		5000
Dielectric Strength		DC-1KV/1 Min
1.0-600MHZ Delay Skew(ns/100m)		≤ 25
Pair to Ground Capacitance Unbalance(Pf/100m)		≤ 330
Resistance Unbalance between pairs (%)		≤ 4
Max DC Loop Resistance		19.2 Ω /100m
Before Aging	Tensile Strength(Mpa)	≥ 9
	Elongation(%)	≥ 100
After Aging 100°C*24h*7d	Tensile Strength(Mpa)	$\geq 75\%$
	Elongation(%)	≥ 50
Velocity of Propagation NVP		78%

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TECHNISCHE ZEICHNUNG 3
TECHNICAL DRAWING 3**IEC61156-5**

Freq. (MHz)	ATTN (dB/100m)	RL (dB)	NEXT (dB)	ELFEXT (dB/100m)	PS NEXT (dB/100m)	PS ELFEXT (dB/100m)
4	3.7	23.0	78.00	78.00	75	75.0
8	5.2	24.5	78.00	77.20	75	74.2
10	5.9	25.0	78.00	75.30	75	72.3
16	7.4	25.0	78.00	71.20	75	68.2
20	8.3	25.0	78.00	69.30	75	66.3
25	9.3	24.3	78.00	67.30	75	64.3
31.25	10.4	23.6	78.00	65.40	75	62.4
62.5	14.9	21.5	75.50	59.40	72.5	56.4
100	19.0	20.1	72.40	55.30	69.4	52.3
200	27.5	18.0	67.90	49.30	64.9	46.3
250	31.0	17.3	66.40	47.30	63.4	44.3
300	34.2	17.3	65.20	45.80	62.2	42.8
400	40.0	17.3	63.40	43.30	60.4	40.3
500	45.3	17.3	61.90	41.30	58.9	38.3
600	50.1	17.3	60.70	39.70	57.7	36.7

Letzte Änderungen: 14.01.2024