

C7AS/F10H

Data Cable - Category 7a - S/FTP - 1000 MHz

- Category - 7 „augmented“ acc. to draft DIN IEC 61156-5:2008
- S/FTP (overall braid shield + foil shielded twisted pairs)
- 4 x 2 x 0.57 mm (AWG23/1) - 100 Ω
- Duplex version as „figure8“ construction (C7AS/F10HD)



Conductor	solid bare copper wire, Ø 0.57 mm (AWG23/1)
Core Insulation	Foam-Skin-PE
Core Stranding	2 cores twisted to a pair
Pair Shielding	AL/PETP foil
Twisting	4 pairs twisted
Overall Shield	tinned copper braid
Overall Diameter	7.6 mm

Leiter	blanker Cu-Massivleiter, Ø 0,57 mm (AWG23/1)
Aderisolation	Foam-Skin-PE
Paarverseilung	2 Adern zum Paar
Paarschirm	AL/PETP-Folie
Verseilung	4 Paare zur Seele
Gesamtschirm	verzinnertes Cu-Geflecht
Außendurchmesser	7,6 mm

Conductor Resistance	73 Ω/km
Insulation Resistance	5 GΩ x km
Capacitance	45 nF/km
Characteristic Impedance	100 Ω ± 15 %
Screening Attenuation	> 60 dB
Signal Speed	0,78 c

Leiterwiderstand	73 Ω/km
Isolationswiderstand	5 GΩ x km
Betriebskapazität	45 nF/km
Wellenwiderstand	100 Ω ± 15 %
Schirmdämpfung	> 60 dB
Signalgeschwindigkeit	0,78 c

Properties

Min. Bending Radius	
Installation	8 x overall diameter
Operation	4 x overall diameter
Temperature Range	
Installation	-20°C / +60°C
Operation	± 0°C / +50°C
Flame Retardancy	acc. to IEC 60332-1

Eigenschaften

Min. Biegeradius	
Verlegung	8 x Außendurchmesser
Betrieb	4 x Außendurchmesser
Temperaturbereich	
Verlegung	-20°C / +60°C
Betrieb	± 0°C / +50°C
Flammwidrigkeit	nach IEC 60332-1

Frequency [MHz] Frequenz [MHz]	Attenuation Dämpfung		Next [dB]		ACR [dB/100m]		EL-FEXT [dB]		RL [dB]	
	NOM	MAX CAT7	NOM	MIN CAT7	NOM	MIN CAT7	NOM	MIN CAT7	NOM	MIN CAT7
1	1.7	2.0	98	80	96.3	78	95	80	23	-
4	3.2	3.6	98	80	94.8	78	93	80	25	23.1
10	5.2	5.7	98	80	92.8	74	92	74	28	25.0
16	6.5	7.2	98	80	91.5	73	91	70	28	25.0
20	8.1	7.3	98	80	90.7	72	90	68	28	25.0
100	17.0	18.5	92	72	75.0	54	77	54	28	20.1
155	21.3	23.4	88	69.6	66.7	46	73	50	26	18.8
200	24.3	26.8	85	68	60.7	41	70	48	25	17.3
300	30.0	33.3	80	65.3	50.0	32	67	44	23	17.3
600	43.4	48.9	75	61	31.6	12	60	38	20	17.3
900	56.0	-	69	-	13.0	-	55	-	19	-
1000	58.0	-	67	-	9.0	-	50	-	18	-

orange

Order Code Bestell-Nr.	Number of Pairs Paarzahl	Outer Ø Außen Ø	Outer Jacket Außenmantel	Colour Farbe	Weight Gewicht	Standard / Length [m] Standard / Längen [m]	Max. Length / Reel Max. Länge / Spule
C7A10EH	4	7.6 mm	FRNC	orange	72 g/m	100 / 500	1000 m
C7A10ZH	2 x 4	7.6 x 15.4 mm	FRNC	orange	145 g/m	100 / 500	1000 m