

C7AS/F12H

Data Cable - Category 7a - S/FTP - 1200 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 0.64mm (AWG22/1) - 100 Ohm



Conductor	solid bare copper wire, Ø 0,64 mm (AWG22/1)	Leiter	blanker Cu-Massivleiter, Ø 0,64 mm (AWG22/1)
Core Insulation	Foam-Skin-PE, colour code according to IEC708	Aderisolation	Foam-Skin-PE, Farbkode nach IEC708
Core Stranding	2 cores twisted to a pair	Paarverseilung	2 Adern zum Paar
Pair Shielding	AL/PETP foil	Paarschirm	AL/PETP-Folie
Twisting	4 pairs twisted	Verseilung	4 Paare zur Seele
Overall Shield	tinned copper braid	Gesamtschirm	verzinnertes Cu-Geflecht
Sheath	FRNC	Außenmantel	FRNC
Overall Diameter	8,7 mm	Außendurchmesser	8,7 mm

Conductor Resistance	58 Ω/km	Leiterwiderstand	58 Ω/km
Insulation Resistance	5 GΩ x km	Isolationswiderstand	5 GΩ x km
Capacitance	45 nF/km	Betriebskapazität	45 nF/km
Characteristic Impedance	100 Ω ± 15 %	Wellenwiderstand	100 Ω ± 15 %
Screening Attenuation	> 60 dB	Schirmdämpfung	> 60 dB
Signal Speed	0,79 c	Signalgeschwindigkeit	0,79 c

Frequency [MHz] Frequenz [MHz]	Attenuation Dämpfung [dB/100m]		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	77	93	80	25	32,1
10	5,0	5,7	98	80	93,0	74	92	74	28	25,0
20	7,1	8,1	98	80	90,9	72	90	68	28	25,0
31,25	9,1	10,1	96	80	86,9	70	87	64	28	23,6
62,5	13,0	14,5	94	75,1	81,0	62	82	58	28	21,5
100	16,4	18,5	92	72	75,6	54	77	54	28	21,1
155	23,4	23,4	88	69,9	67,2	47	73	51	27	18,8
200	23,5	26,8	85	68	61,5	41	70	48	26	17,3
300	28,5	33,3	80	65,3	51,5	32	67	44	25	17,3
600	41,0	48,9	75	61	34,0	12	60	38	21	17,3
900	51,8	-	69	-	17,2	-	55	-	19	-
1200	60	-	65	-	5,0	-	42	-	17	-

yellow

Order Code Bestell-Nr.	Outer Ø Außen Ø	Outer Jacket Außenmantel	Colour Farbe	Standard / Length [m] Standard / Längen [m]	Max. Length / Reel Max. Länge / Spule
C7AS/F12H	8,7 mm	FRNC	yellow	100 / 500	1000 m