

C7S/F06..

Data Cable - Category 7 - S/FTP - 600 MHz

- Category - 7 acc. IEC 61156-5
- S/FTP (overall braid shield + foil shielded twisted pairs)
- 4 x 2 x 0.57 mm (AWG23/1) - 100 Ω



<b>Conductor</b>	solid bare copper wire, Ø 0.57 mm (AWG23/1)
<b>Core Insulation</b>	Foam-Skin-PE, colour code according to IEC708
<b>Core Stranding</b>	2 cores twisted to a pair
<b>Pair Shielding</b>	AL/PETP foil
<b>Twisting</b>	4 pairs twisted
<b>Overall Shield</b>	tinned copper braid

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	verzinntes Cu-Geflecht

<b>Conductor Resistance</b>	73 Ω/km
<b>Insulation Resistance</b>	5 GΩ x km
<b>Capacitance</b>	45 nF/km
<b>Characteristic Impedance</b>	100 Ω ± 15 %
<b>Transfer Impedance @ 10 Mhz</b>	5 mΩ/m
<b>Signal Speed</b>	0.78 c

Leiterwiderstand	73 Ω/km
Isolationswiderstand	5 GΩ x km
Betriebskapazität	45 nF/km
Wellenwiderstand	100 Ω ± 15 %
Kopplungswiderstand bei 10 Mhz	5 mΩ/m
Signalgeschwindigkeit	0,78 c

Properties

<b>Temperature Range</b>	
Installation	-20°C / +60°C
Operation	0°C / +50°C
<b>Flame Retardancy</b>	acc. to IEC 60332-1

Eigenschaften

<b>Temperaturbereich</b>	
Verlegung	-20°C / +60°C
Betrieb	0°C / +50°C
<b>Flammwidrigkeit</b>	nach IEC 60332-1

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	5.2	5.7	98	80	92.8	74	92	74	28	25.0
16	6.5	7.2	98	80	91.5	73	91	70	25	28.0
20	7.3	8.1	98	80	90.7	72	90	68	28	25.0
100	17.0	18.5	92	72	75.0	78	77	54	28	20.1
155	21.3	23.4	88	69.6	66.7	47	73	50	26	18.8
200	24.3	26.8	85	69	60.7	41	70	48	25	17.3
300	30.0	33.3	80	65.3	80.0	32	67	44	23	17.3
600	43.4	48.9	75	61	-	12	60	38	20	17.3

grey orange

Order Code Bestell-Nr.	Number of Pairs Paarzahl	Outer Ø Außen Ø	Outer Jacket Außenmantel	Weight Gewicht	Colour Farbe	Standard Length [m] Standard Längen [m]	Max. Length / Reel Max. Länge / Spule
C7S06EY	4	7.8 mm	PVC	70 g/m	grey	100 / 500	1000 m
C7S06EH	4	7.8 mm	FRNC	65 g/m	orange	100 / 500	1000 m
C7S06ZY	2 x 4	7.8 x 16.5 mm	PVC	140 g/m	grey	100 / 500	1000 m
C7S06ZH	2 x 4	7.8 x 16.5 mm	FRNC	130 g/m	orange	100 / 500	1000 m