

## Technical specifications : Ref. 219102

<b>Model</b>																		DK7000	
<b>Type</b>																		S/FTP	
<b>Euroclass</b>																		Cca	
<b>Euroclass: Smoke Production</b>																		s1a	
<b>Euroclass: Flaming droplets</b>																		d1	
<b>Euroclass: Acidity</b>																		a1	
<b>Categorie</b>																		Cat 7	
<b>Transmission bandwidth</b>																		1000MHz	
<b>Transfer rate</b>																		10Gbps	
<b>Conductor Diameter</b>	in																	0.022	
<b>Conductor Material</b>																		Solid copper	
<b>Conductor type AWG</b>																		23	
<b>Copper weight</b>	kg/km																	18.35	
<b>Conductor isolation Diameter</b>	in																	0.051	
<b>Conductor isolation Material</b>																		Polyethylene	
<b>Crucifix filler</b>																		No	
<b>Shielding foil of pairs</b>																		Aluminium + Polyester	
<b>Outer shielding braid</b>																		Tinned copper (CuSn)	
<b>Outer sheath Diameter</b>	in																	0.291	
<b>Outer sheath Material</b>																		LSFH	
<b>Outer sheath Thickness</b>	in																	0.028	
<b>Rip cord</b>																		No	
<b>Spark Test</b>	Vac																	3000	
<b>Nominal impedance</b>	$\Omega$																	100	
<b>Conductor resistance</b>	$\Omega/100m$																	< 9.38	
<b>Nominal speed</b>	%																	79	
<b>Operating temperature</b>	$^{\circ}F$																	-13 ... 158	
<b>Frequencies</b>		1 MHz	4 MHz	8 MHz	10 MHz	16 MHz	20 MHz	25 MHz	31,25 MHz	62,5 MHz	100 MHz	200 MHz	250 MHz	300 MHz	400 MHz	500 MHz	600 MHz	800 MHz	1000 MHz
<b>Attenuation (max.)</b>	dB/100m	4	--	--	--	8.1	--	--	--	--	20.8	--	33.8	--	--	49.3	54.6	--	--
<b>Attenuation (typ.)</b>	dB/100m	2	3.8	5.1	5.7	7.3	8.2	9.2	10.4	14.9	18.9	27	30.3	33.3	38.6	43.5	48.1	59.6	63.9
<b>NEXT (min.)</b>	dB/100m	65	--	--	--	65	--	--	--	--	62.9	--	56.9	--	--	52.4	51.2	--	--
<b>NEXT (typ.)</b>	dB/100m	85.7	92.2	90.6	93.9	90.1	92.1	87.8	86.3	81.2	77.8	71.1	69.3	68.9	66.7	64.9	62.5	62.6	58.6
<b>PS NEXT (min.)</b>	dB/100m	62	--	--	--	62	--	--	--	--	59.9	--	53.9	--	--	49.4	48.2	--	--
<b>PS NEXT (typ.)</b>	dB/100m	84.2	89.1	87.9	91.5	88	89.5	86.8	84.8	80.4	77.2	69.9	68.4	68.1	65.8	64.5	62.1	59.8	58.5
<b>ACR-N (min.)</b>	dB/100m	61	--	--	--	56.9	--	--	--	--	42.1	--	23.1	--	--	3.1	-3.4	--	--
<b>ACR-N (typ.)</b>	dB/100m	83.6	88.4	85.4	88.1	82.8	83.9	78.5	75.8	66.1	58.7	43.8	38.6	35.2	27.5	20.8	14	3	-5.2
<b>PS ACR-N (min.)</b>	dB/100m	58	--	--	--	53.9	--	--	--	--	39.1	--	20.1	--	--	0.1	-6.4	--	--
<b>PS ACR-N (typ.)</b>	dB/100m	82.2	85.3	82.8	85.8	80.7	81.2	77.5	74.3	65.3	58.1	42.6	37.7	34.4	26.7	20.3	13.5	0.2	-5.4
<b>ACR-F (min.)</b>	dB/100m	65	--	--	--	57.5	--	--	--	--	44.4	--	37.8	--	--	32.6	31.3	--	--
<b>ACR-F (typ.)</b>	dB/100m	83	86.9	87.6	87.7	84.7	83.3	83	81.1	78.2	74.8	65.2	63	66.3	59.5	54.1	53.8	42.8	34.6
<b>PS ACR-F (min.)</b>	dB/100m	62	--	--	--	54.5	--	--	--	--	41.4	--	34.8	--	--	29.6	28.3	--	--
<b>PS ACR-F (typ.)</b>	dB/100m	82	85	86.3	86.1	83.5	81.8	81.2	79	75.9	73.3	64.6	61.8	64	57.5	52.7	51.4	41	32.3
<b>Return losses (min.)</b>	dB	21	--	--	--	20	--	--	--	--	14	--	10	--	--	10	10	--	--
<b>Return losses</b>	dB	25.5	28.5	30.7	32	33.1	36.9	33.1	34.1	34.6	33	29.7	28.5	26.9	24.9	22.2	21.7	18.4	14.9