Televes®

Technical specifications : Ref. 219202

Model		DK7000A																			
Type		S/FTP																			
Euroclass		Dca																			
Euroclass: Smoke Production		s1a																			
Euroclass: Flaming droplets		d2																			
Euroclass: Acidity		a1																			
Categorie		Cat 7A																			
Transmission bandwidth		1500MHz																			
Transfer rate		10Gbps																			
Conductor Diameter	in	0.023																			
Conductor Material		Solid copper																			
Conductor type AWG		23																			
Copper weight	kg/km	20.35																			
Conductor isolation Diameter	in	0.056																			
Conductor isolation Material		Polyethylene																			
Crucifix filler		No																			
Shielding foil of pairs		Aluminium + Polyester																			
Outer shielding braid		Tinned copper (CuSn)																			
Outer sheath Diameter	in	0.303																			
Outer sheath Material		LSFH																			
Outer sheath Thickness	in	0.028																			
Rip cord		No																			
Spark Test	Vac	3000																			
Nominal impedance	Ω	100																			
Conductor resistance	Ohm/100 m	< 9.38																			
Nominal speed	%	76																			
Working voltage	V	125																			
Operating temperature	°F	-13 ... 158																			
Frequencies		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	1200 MHz	1500 MHz
Attenuation (max.)	dB/100m	4	--	4.9	--	8	--	--	--	--	20.3	--	32.5	--	--	46.7	51.4	--	67.6	--	--
Attenuation (typ.)	dB/100m	2	3.5	--	5.4	6.9	7.7	8.7	9.8	14.1	17.9	25.6	28.7	31.5	37.2	42	46.4	54.1	60.7	69.7	75.4
NEXT (min.)	dB/100m	65	--	--	--	65	--	--	--	--	65	--	59.1	--	--	53.6	52.1	--	47.9	--	--
NEXT (typ.)	dB/100m	83.1	90.2	89.7	90.5	90.8	91.2	88.6	87.1	82.7	78.2	72.5	71.1	69.1	67.6	66.3	65	63.6	60.8	59.7	55.4
PS NEXT (min.)	dB/100m	62	--	--	--	62	--	--	--	--	62	--	56.1	--	--	50.6	49.1	--	44.9	--	--
PS NEXT (typ.)	dB/100m	81.8	87.7	87	87.4	87.9	88.1	86.2	85.3	80.4	76	70	68.8	67.3	66.1	64.4	63	62.5	58.7	58	55
ACR-N (min.)	dB/100m	61	--	--	--	57	--	--	--	--	44.7	--	26.7	--	--	6.9	0.7	--	-19.6	--	--
ACR-N (typ.)	dB/100m	81.1	86.7	84.8	85	83.9	83.5	79.8	77.2	68.5	60.1	46.6	42	37.2	30.5	24.4	18.7	9.7	-0.1	-5	-15
PS ACR-N (min.)	dB/100m	58	--	--	--	54	--	--	--	--	41.7	--	23.7	--	--	3.9	-2.3	--	-22.6	--	--
PS ACR-N (typ.)	dB/100m	79.9	84.2	82.1	82	81	80.4	77.4	76.3	66.1	57.9	44.2	39.7	35.3	28.9	22.6	16.6	8.5	-2.1	-6.9	-15.8
ACR-F (min.)	dB/100m	65	--	--	--	63	--	--	--	--	47.4	--	39.4	--	--	33.4	31.8	--	27.4	--	--
ACR-F (typ.)	dB/100m	81.5	85.3	88.2	88.4	84.7	82.5	82	79.9	77	74.2	66.2	66.5	63.7	57.7	50.7	55	48.7	39.9	21.5	18
PS ACR-F (min.)	dB/100m	62	--	--	--	60.3	--	--	--	--	44.4	--	36.4	--	--	30.4	28.8	--	24.4	--	--
PS ACR-F (typ.)	dB/100m	78.4	83	85.1	85.7	81.9	81	79.9	78.2	75.5	73	64.9	64.3	62	56.4	50.4	53.5	47.1	37.6	18.9	14
Return losses (min.)	dB	21	--	--	--	20	--	--	--	--	14	--	10	--	--	10	--	--	8	--	--
Return losses	dB	26	28.7	30.1	31.6	33.3	32.9	31.7	36.5	33.5	33.2	27.8	25.7	24.9	23	20.3	19.3	17.7	16.2	14	13