Televes®

Technical specifications : Ref. 219102

Model		DK7000																	
Type		S/FTP																	
Euroclass		Cca																	
Euroclass: Smoke Production		s1a																	
Euroclass: Flaming droplets		d1																	
Euroclass: Acidity		a1																	
Categorie		Cat 7																	
Transmission bandwidth		1000MHz																	
Transfer rate		10Gbps																	
Conductor Diameter	in	0.022																	
Conductor Material		Solid copper																	
Conductor type AWG		23																	
Copper weight	kg/km	18.35																	
Conductor isolation Diameter	in	0.051																	
Conductor isolation Material		Polyethylene																	
Crucifix filler		No																	
Shielding foil of pairs		Aluminium + Polyester																	
Outer shielding braid		Tinned copper (CuSn)																	
Outer sheath Diameter	in	0.291																	
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
Attenuation (max.)	dB/100m	4	--	--	--	8.1	--	--	--	--	20.8	--	33.8	--	--	49.3	54.6	--	--
Attenuation (typ.)	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
NEXT (min.)	dB/100m	65	--	--	--	65	--	--	--	--	62.9	--	56.9	--	--	52.4	51.2	--	--
NEXT (typ.)	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
PS NEXT (min.)	dB/100m	62	--	--	--	62	--	--	--	--	59.9	--	53.9	--	--	49.4	48.2	--	--
PS NEXT (typ.)	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
ACR-N (min.)	dB/100m	61	--	--	--	56.9	--	--	--	--	42.1	--	23.1	--	--	3.1	-3.4	--	--
ACR-N (typ.)	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
PS ACR-N (min.)	dB/100m	58	--	--	--	53.9	--	--	--	--	39.1	--	20.1	--	--	0.1	-6.4	--	--
PS ACR-N (typ.)	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
ACR-F (min.)	dB/100m	65	--	--	--	57.5	--	--	--	--	44.4	--	37.8	--	--	32.6	31.3	--	--
ACR-F (typ.)	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
PS ACR-F (min.)	dB/100m	62	--	--	--	54.5	--	--	--	--	41.4	--	34.8	--	--	29.6	28.3	--	--
PS ACR-F (typ.)	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
Return losses (min.)	dB	21	--	--	--	20	--	--	--	--	14	--	10	--	--	10	10	--	--
Return losses	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