Televes®

Technical specifications : Ref. 219103

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
PoE Standard		IEE 802.3bt
PoE type		PoE++
Nominal impedance	Ω	100
Conductor resistance	Ohm/100m	< 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