Televes®

Technical specifications : Ref. 219342

Model		DK6000A																
Type		F/FTP																
Euroclass		B2ca																
Euroclass: Smoke Production		s1a																
Euroclass: Flaming droplets		d0																
Euroclass: Acidity		a1																
Categorie		Cat 6A																
Transmission bandwidth		650MHz																
Transfer rate		10Gbps																
Conductor Diameter	in	0.022																
Conductor Material		Solid copper																
Conductor type AWG		23																
Conductor isolation Diameter	in	0.051																
Conductor isolation Material		Polyethylene																
Crucifix filler		No																
Shielding foil of pairs		Aluminium + Polyester																
Outer shielding braid		Aluminium																
Drain wire Diameter	in	0.016																
Drain wire Material		Tinned copper (CuSn)																
Outer sheath Diameter	in	0.287																
Outer sheath Material		LSFH																
Outer sheath Thickness	in	0.024																
Rip cord		No																
Spark Test	Vac	3000																
PoE Standard		IEE 802.3bt																
PoE type		PoE++																
Nominal impedance	Ω	100																
Conductor resistance	Ohm/100 m	< 9.38																
Nominal speed	%	68																
Working voltage	V	300																
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	650 MHz
Attenuation (max.)	dB/100m	2.1	3.8	5.3	5.9	7.5	8.4	9.4	10.5	15	19.1	27.6	31.1	34.3	40.1	45	--	--
Attenuation (typ.)	dB/100m	2	3.8	5.2	5.8	7.5	8.2	9.2	10.2	14.5	18.7	27	30.5	34	39.9	44.1	49.7	52
NEXT (min.)	dB/100m	74.3	65.3	60.8	59.3	56.2	54.8	53.3	51.9	47.4	44.3	39.8	38.3	37.1	35.3	34	--	--
NEXT (typ.)	dB/100m	86.2	81.2	74.7	72.6	72.4	68.3	66.1	64.9	60.1	55.3	50.2	49.4	48.5	43.6	40.4	33.7	31.9
PS NEXT (min.)	dB/100m	72.3	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3	35.1	33.3	32	--	--
PS NEXT (typ.)	dB/100m	84.4	79.7	72.2	70.5	69.8	66.1	63.7	62.4	57.9	52.7	46.9	46.6	45.3	40.4	36.3	31.8	30.5
ACR-N (min.)	dB/100m	72.2	61.5	55.5	53.4	48.7	46.4	43.9	41.4	32.4	25.2	12.2	7.2	2.8	-4.8	-12	--	--
ACR-N (typ.)	dB/100m	84.2	77.4	69.4	66.5	64.8	59.8	56.5	54.2	44.8	35.9	22.4	18.2	14.2	3.7	-4.6	-16	-20.1
PS ACR-N (min.)	dB/100m	70.2	59.5	53.5	51.4	46.7	44.4	41.9	39.4	30.4	23.2	10.2	5.2	0.8	-6.8	-14	--	--
PS ACR-N (typ.)	dB/100m	82.4	75.8	67	64.6	62.2	57.6	54.2	51.8	42.7	33.3	19.1	15.5	11.2	0.9	-8.5	-17.8	-21.2
ACR-F (min.)	dB/100m	67.8	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8	21.8	19.8	18.3	15.8	14	--	--
ACR-F (typ.)	dB/100m	80.2	68.5	63.5	62.3	62.8	65.3	58.9	53.1	48.5	40.8	37.1	34	34	28.7	29.4	31.3	25.9
PS ACR-F (min.)	dB/100m	64.8	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8	18.8	16.8	15.3	12.8	11	--	--
PS ACR-F (typ.)	dB/100m	77.8	66.3	61.2	60.2	61.9	63.5	57.5	52.5	46.5	38.3	36.2	31.1	31.7	27.2	27.8	27	25.1
Return losses (min.)	dB	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	18	17.3	16.8	15.9	15	--	--
Return losses	dB	26.7	30.9	37.9	38.5	33.1	34.2	32.5	34.4	32.8	29.9	28	27.1	25.3	23.8	22.2	19.3	18.5