Televes®

Technical specifications : Ref. 219910

Model		DK6000											
Type		U/UTP											
Euroclass		Eca											
Categorie		Cat 6											
Transmission bandwidth		250MHz											
Transfer rate		1Gbps											
Conductor Diameter	in	0.023											
Conductor Material		Copper-clad aluminium											
Conductor type AWG		23											
Conductor isolation Diameter	in	0.037											
Conductor isolation Material		Polyethylene											
Crucifix filler		Yes											
Outer sheath Diameter	in	0.244											
Outer sheath Material		LSFH											
Outer sheath Thickness	in	0.02											
Rip cord		Yes											
Spark Test	Vac	3000											
Nominal impedance	Ω	100											
Conductor resistance	Ohm/100 m	< 9.38											
Nominal speed	%	72											
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
Attenuation (max.)	dB/100m	2	3.8	5.3	6	7.6	8.5	9.5	10.7	15.4	19.8	29	32.8
Attenuation (typ.)	dB/100m	2	3.8	5.3	5.8	7.4	8.2	9.2	10.3	15	19.5	28.2	31.1
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
NEXT (typ.)	dB/100m	86.7	75.2	72	68	67	64.6	61.2	61.5	54.4	48.3	47.3	44.8
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
PS NEXT (typ.)	dB/100m	83.4	72.5	69.6	65.1	64.2	62.2	58.4	57.9	52.3	46.9	44.6	42.9
ACR-N (min.)	dB/100m	72.3	61.5	55.5	53.3	48.6	46.3	43.8	41.2	32	24.5	10.8	5.5
ACR-N (typ.)	dB/100m	84.7	71.4	66.7	62.4	60.1	56.7	52.9	52.2	41.4	31.5	23.2	17.1
PS ACR-N (min.)	dB/100m	70.3	59.5	53.5	51.3	46.6	44.3	41.8	39.2	30	22.5	8.8	3.5
PS ACR-N (typ.)	dB/100m	81.4	68.7	64.4	59.4	57.1	54.5	49.9	48.5	39	30	20.1	14.8
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
ACR-F (typ.)	dB/100m	82.1	69.1	62.5	60.7	57.1	55.2	50.5	48.8	37.9	34.7	29.2	32.2
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
PS ACR-F (typ.)	dB/100m	79.6	66.4	60.2	57.9	54.6	53.1	48.8	45.6	36.5	32.6	27.1	30.5
Return losses (min.)	dB	20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	18	17.3
Return losses	dB	26.4	28.9	30.5	31.5	34.1	35.7	34.7	34.9	31.7	31.4	26.4	24.4