Televes®

Technical specifications : Ref. 219302

Type		U/FTP																
Euroclass		Cca																
Euroclass: Smoke Production		s1a																
Euroclass: Flaming droplets		d1																
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																
Drain wire Diameter	in	0.016																
Drain wire Material		Tinned copper (CuSn)																
Outer sheath Diameter	in	0.272																
Outer sheath Material		LSFH																
Outer sheath Thickness	in	0.028																
Rip cord		No																
Spark Test	Vac	3000																
Nominal impedance	Ω	100																
Conductor resistance	Ω/100m	< 9.38																
Nominal speed	%	79																
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	3.7	5	5.6	7.2	8.1	9.1	10.3	14.6	18.6	26.7	29.9	32.8	38.5	43.5	48.2	50.1
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	37.1	35.3	34	--	--
NEXT (typ.)	dB/100m	87.6	80.2	74.9	72.7	69.1	66.5	65.5	62	56.5	52.3	47.2	45.3	43.6	41.1	39.1	34.3	32.3
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	85.6	78.7	72.1	70.4	66.8	64.7	63.4	60.4	54.8	50.8	45.8	44	42.3	39.4	36.1	32.6	30.9
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	85.6	76.6	70	67.2	62.1	58.6	56.6	51.9	42	33.8	20.8	15.7	11	3.2	-3.6	-12.9	-17
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	83.6	75.1	67.1	64.9	59.8	56.7	54.5	50.4	40.3	32.3	19.2	14.2	9.6	1.3	-7.2	-15.5	-19.2
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	81.6	69.5	63.6	61.7	58	56.3	54.7	53.3	51.9	48.4	36.8	36.8	37	32.1	29	31.3	32.4
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	79.1	67.4	61.4	59.6	55.8	54.1	52.7	51.1	47.7	46.7	35	35.1	34	30.6	26.9	30.1	30.3
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 (typ.)	dB	25.6	27.9	29.7	30.1	33.7	32.2	34.6	32.3	29.5	28.6	27	23.3	23.2	19.5	18.8	19.6	18.8