

Technical specifications : Ref. 219322

Type																				F/UTP
Euroclass																				Dca
Euroclass: Smoke Production																				s2
Euroclass: Flaming droplets																				d2
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																			0.045
Conductor isolation Material																				Polyethylene
Crucifix filler																				Yes
Shielding foil of pairs																				Aluminium + Polyester
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																			0.02
Rip cord																				Yes
Spark Test	Vac																			3000
Nominal impedance	Ω																			100
Conductor resistance	Ω/100m																			< 9.38
Nominal speed	%																			72
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 (typ.)	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		