

Technical specifications : Ref. 212101

Type																F/UTP
Euroclass																Dca
Euroclass: Smoke Production																s2
Euroclass: Flaming droplets																d2
Euroclass: Acidity																a1
Categorie																Cat 6
Transmission bandwidth																250MHz
Transfer rate																1Gbps
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
Outer sheath Diameter		in														0.283
Outer sheath Material																LSFH
Outer sheath Thickness		in														0.024
Rip cord																Yes
Spark Test		Vac														3000
Nominal impedance		Ω														100
Conductor resistance		$\Omega/100m$														< 9.38
Nominal speed		%														72
Operating temperature		$^{\circ}F$														-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	3.7	5.2	5.8	7.3	8.2	9.2	10.3	14.6	18.6	26.5	29.8		
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		88.9	78.7	77.7	71.7	69.3	71.1	65.8	63.9	58.6	54	48.7	45.8		
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		86.7	76.3	75	69.8	67.2	69	63.7	61.4	56.5	52.8	46	42.6		
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		87	75.1	72.7	66.2	62	62.9	56.7	53.8	44.1	35.4	22.2	16		
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		84.7	72.7	70.1	64.2	60	60.9	54.6	51.2	42	34.3	19.6	13		
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		81	70.4	67.2	66.9	63.7	59	55.1	53.5	49.3	43.9	40.5	35.9		
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		
PS ACR-F (typ.)	dB/100m		79.2	67.8	63.8	63.2	61.6	57	52.9	50.5	46	43.5	37.5	34.8		
Return losses (min.)	dB		20	23	24.5	25	25	25	24.3	23.6	21.5	20.1	18	17.3		
Return losses (typ.)	dB		26.8	28.5	35.1	36.2	41.8	39.9	40.3	39.4	35.2	32	32.2	30.1		