

Technical specifications : Ref. 209003

Type																		U/UTP
Categorie																		Cat 6
Transmission bandwidth																		250MHz
Transfer rate																		1Gbps
Conductor Diameter		in																0.007
Conductor Material																		Flexible copper
Conductor type AWG																		24
Conductor isolation Diameter		in																0.038
Conductor isolation Material																		Polyethylene
Crucifix filler																		Yes
Outer sheath Diameter		in																0.224
Outer sheath Material																		PVC
Outer sheath Thickness		in																0.024
Rip cord																		No
Data connector type																		RJ45
Spark Test		Vac																3000
Nominal impedance		Ω																100
Conductor resistance		Ω /km																< 117
Nominal speed		%																72
Working voltage		V																300
Operating temperature		$^{\circ}$ F																-22 ... 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				
NEXT (typ.)	dB/100m	65	63	58.2	56.6	53.2	51.6	50	48.4	43.4	39.9	34.8	33.1					
PS NEXT (typ.)	dB/100m	62	60.5	55.6	54	50.6	49	47.3	45.7	40.6	37.1	31.9	30.2					
ACR-F (typ.)	dB/100m	63.3	51.2	45.2	43.3	39.2	37.2	35.3	33.4	27.3	23.3	17.2	15.3					
PS ACR-F (typ.)	dB/100m	60.3	48.2	42.2	40.3	36.2	34.2	32.3	30.4	24.3	20.3	14.2	12.3					
Return losses	dB	19	19	19	19	18	17.5	17	16.5	14	12	9	8					