

## Technical specifications : Ref. 209017

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	$\Omega$	100												
Conductor resistance	$\Omega/\text{km}$	< 117												
Nominal speed	%	72												
Working voltage	V	300												
Operating temperature	$^{\circ}\text{F}$	-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	