

	8	7	6	5	4	3	2	1	
	SPECIFICATIONS:								
	CABLE JACKET MATERIAL:		POLYURETHANE (TYPE 350B), TEAL,						
	CABLE DIAMETER:		OVERALL CABLE DIAMETER .236" [6.1mm] , .246"[6.25mm] MAX.						
	COND. JACKET MATERIAL:		POLYOLEFIN,						
	COND. JACKET THICKNESS:		.010" [.254mm] NOM. WALL THICKNESS (RJ45 plug compatible)						
	COND. STRANDING:		24 AWG 7/34 STRANDED TINNED COPPER						
	PAIRING:		Grn x Wht/Grn + Org x Wht/Org						
	SHIELD:		AN OVERALL ALUMINIZED POLYESTER FOIL SHIELD (FOIL OUT, 100%COVERAGE) SHALL BE APPLIED OVER THE CABLE CORE AND SHALL CONTAIN A 26 AWG 7/34 STRANDED TINNED COPPER DRAIN WIRE IN CONTACT WITH THE METALIZED SURFACE. A SECOND SHIELD OF 38AWG TINNED COPPER BRAID (85% MINIMUM COVERAGE), SHALL BE APPLIED OVER THE FOIL SHIELD.						
	WEIGHT:		Nom: 28.6#/Mft [42.6Kg/Km]						
	ELECTRICAL REQUIREMENTS:		for 100m of cable						
	CAT 5e								
	CAPACITANCE, MUTUAL		13.5 PF/FT. AT 1 MHZ						
	DIELECTRIC WITHSTANDING, MIN		1500V RMS						
	VOLTAGE RATING, MAX.		300V						
	D.C. RESISTANCE, MAX.		42.6 Ω/1000'						
	IMPEDANCE,		100 +/- 15 Ω 1-100 MHZ						
	IMPEDANCE, SMOOTHED		100 +/- 10 Ω TYPICAL 5 - 100 MHZ						
	SRL		23 DB 1-20 MHZ						
			23 - 10 LOG(F/20) 20-100 MHZ						
	RETURN LOSS		1 - 10 MHZ 20 + 5 LOG (F) DB MIN						
			10 - 20 MHZ 25 DB MIN						
			20 - 100 MHZ 25- 8.6 LOG(F/20) DB MIN						
	PS NEXT		1-100 MHZ 64 - 15 LOG (F/.772) MIN						
	NEXT		1-100 MHZ 67 - 15 LOG (F/.772) MIN						
	PS ELFEXT		1-100 MHZ 63 - 20 LOG(F/.772) MIN						
	ELFEXT		1-100 MHZ 66 - 20 LOG(F/.772) MIN						
	ATTENUATION		1-100 MHZ 1.5[1.967 SQRT(F) +.023(F) +.05/SQRT(F)]MAX						
	DELAY		1-100 MHZ 534 + 36/SQRT(F)						
	DELAY SKEW		1-100 MHZ <25NS						
	LCL		1-100 MHZ -38dB MIN						
	VELOCITY OF PROPAGATION		68%						
	MECHANICAL REQUIREMENTS:								
	EXTRUSION STYLE:		PRESSURE EXTRUSION						
	CONVOLUTIONS:		NONE ALLOWED. LEVEL 2 SMOOTH						