



	1 Gb/s		10 Gb/s		25 Gb/s		40 Gb/s	
Max Data Rate	1 Gb/s		10 Gb/s		25 Gb/s		40 Gb/s	
Max Frequency	100 MHz	250 MHz	500 MHz	600 / 1000 MHz	2,000 MHz		2,000 MHz	
Channel Length	100 meter		100 meter		50 meter	100 meter	30 meter	
Connector Type	RJ45		RJ45	TERA/GG45/EC7	RJ45	TERA/GG45/EC7	RJ45	TERA/GG45/EC7
Connector Rating	Category 5e	Category 6	Category 6A	Category 7 / 7A	Category 8.1	Category 8.2	Category 8.1	Category 8.2
ANSI/TIA Link/Chan Rating	568.1-E Category 5e Category 6		568.1-E Category 6A	Not Recognized	Not Recognized		568.1-E Category 8	
ISO/IEC Link/Chan Rating	11801-1 Amd 1 Ed 1 Class D Class E		11801-1 Amd 1 Ed 1 Class EA Class F / FA		TR 11801-9909: 2019 Class I Class II		11801-1 Amd 1 Ed 3 Class I Class II	
CENELEC Link/Chan Rating	EN 50173-1 Class D Class E		EN 50173-1 Class EA Class F / FA		EN 50173-5 Class I Class II		EN 50173-5 Class I Class II	
TIA Certifier	LT IV 500/3000*		LT IV 500/3000*	LT IV 3000	LT IV 3000		LT IV 3000	
IEC/EN Certifier	LT III 500 & up		LT III 500+	LT IV 3000	LT IV 3000		LT IV 3000	

* Some TIA standards require DC Resistance Unbalance measurements which can be performed by LanTEK IV only