

Flat Cable Benefit

	3M Flat cable		Integrated individual pairs
Shielding	Continuously laminated shield	👑	Spiral/longitudinal wrapped shield
Thickness @ 30AWG	Thinner (0.72mm)	👑	Thicker (1.1mm)
Bandwidth/loss	32 GHz/ 6.2db@16GHz		32 GHz/ 6.2db@16GHz
Penetration Space	Through even “non useable” space	👑	Regular space
Cooling Airflow	Avoid obstruction to air flow	👑	Obstruction to air flow and bring turbulence
Folding/Unfolding (No impedance dip)	180° (<1mm bending radius)	👑	180° (~5mm bending radius)
Routing	Pre-folded leads to clean, consistent routing and simplify installation without errors. Save time and then increase output	👑	Hard to pre-fold and maintain shape Difficult to install with high risk of errors Long time and limit the output
Cable cost	A little higher		Lower
Total cost	Much lower	👑	Higher

