MT Ferrule



T&S manufactures durable, precision, Polyphenylene Sulfide (PPS) based thermoplastic ferrules that terminate and align 125μm optical fiber. T&S offers both single-mode and multimode MT ferrules in multiple performance grades applied to specific applications and fiber count requirements.

Features

- High density
- Fiber pitch: 0.25mm
- Mold marks to indicate fiber type and ferrule grade
- Pre-angled SM
- MM MT low Loss optimized for 10G, 40G, 100G and 400G applications
- SM MT low loss meets IEC 61755-3-31 Grade B requirements
- With exceptional environmental stability after annealing

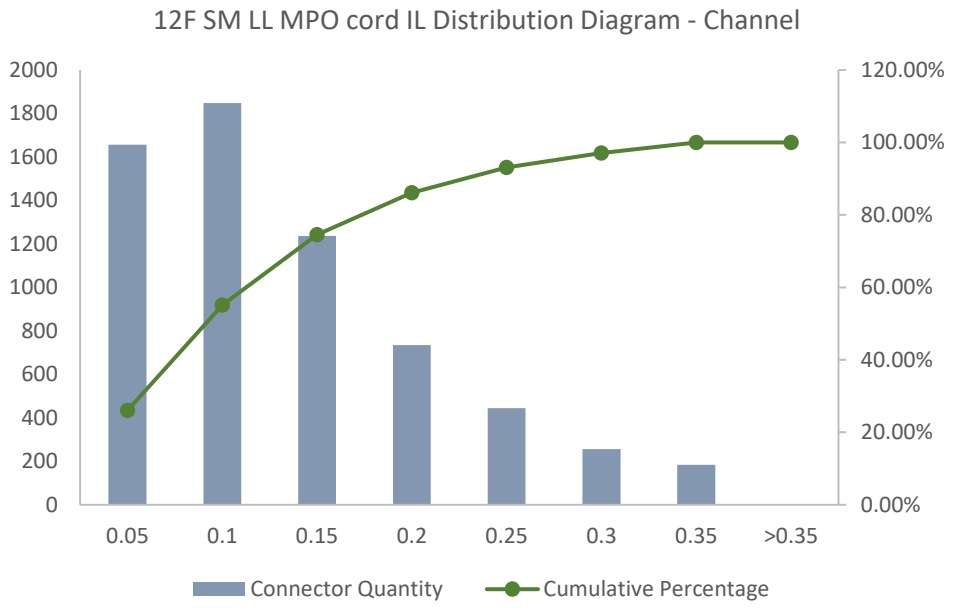
Technical Specification

Ferrule Hole	Type & Grade	Fiber Hole Diameter(mm)	Guide Pin Hole Diameter(mm)	Insertion Loss(dB)
MT-12	MM Standard	0.125+0.002/-0	0.7±0.001	Typical=0.25 Max≤0.5
	MM Low Loss	0.125+0.002/-0	0.7+0/-0.001	Typical=0.12 Max≤0.35
	SM Standard	0.125+0.0013/-0	0.7+0/-0.001	Typical=0.25 Max≤0.7
	SM Low Loss	0.125+0.0009/-0	0.6990+0.0006/-0	Typical=0.12 Max≤0.35
MT-24	MM Standard	0.125+0.002/-0	0.7±0.001	Typical=0.25 Max≤0.5
	MM Low Loss	0.125+0.002/-0	0.7+0/-0.001	Typical=0.12 Max≤0.35
	SM Standard	0.125+0.0013/-0	0.7+0/-0.001	Typical=0.25 Max≤0.7
	SM Low Loss	0.125+0.0009/-0	0.6990+0.0006/-0	Typical=0.12 Max≤0.35
MT-16	MM Standard	0.125+0.002/-0	0.55±0.001	Typical=0.25 Max≤0.5
	MM Low Loss	0.125+0.002/-0	0.55+0/-0.001	Typical=0.12 Max≤0.35
	SM Standard	0.125+0.0013/-0	0.55+0/-0.001	Typical=0.25 Max≤0.7
	SM Low Loss	0.125+0.0009/-0	0.5490+0.0006/-0	Typical=0.12 Max≤0.35

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MT-36	MM Standard	0.125+0.002/-0	0.7±0.001	Typical=0.25 Max≤0.5
MT-12-Mini	MM Standard	0.125+0.002/-0	0.7±0.001	Typical=0.25 Max≤0.5
	MM Low Loss	0.125+0.002/-0	0.7+0/-0.001	Typical=0.12 Max≤0.35

MT SM Low Loss Data



Ordering Information

① **Ferrule Code**	② **Number of Ferrule Holes**
SM: SM Standard	12:12-Fibers
SMLL: SM Low Loss	16:16-Fibers
MM: MM Standard	24:24-Fibers
MMLL: MM Low Loss	

Example: MT – SM – 12

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