



POLARITY

MTP® Position End A	Fiber ID	MTP® Position End B		
		S	R	P
1	#1 Blue	1	12	2
2	#2 Orange	2	11	1
3	#3 Green	3	10	4
4	#4 Brown	4	9	3
5	#5 Slate	5	8	6
6	#6 White	6	7	5
7	#7 Red	7	6	8
8	#8 Black	8	5	7
9	#9 Yellow	9	4	10
10	#10 Violet	10	3	9
11	#11 Rose	11	2	12
12	#12 Aqua	12	1	11

Polarity	
S	Standard Polarity
R	Reversed Polarity
P	Pair Reversals

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TECHNICAL SPECIFICATIONS

Characteristic	Multimode (at 850/1300nm)		Single-mode (at 1310/1550nm)	
	Standard MTP® Insertion Loss	Typical 0.2 dB	Maximum 0.5 dB	Typical 0.25 dB
MTP® Elite Insertion Loss	Typical 0.1 dB	Maximum 0.35 dB	Typical 0.10 dB	Max 0.35 dB
Standard MTP® or Elite Reflectance	< -20 dB		< -55dB (8° angled polish)	
Durability	500 Rematings: < 0.2 dB change		500 Rematings: < 0.3 dB change	
Operating Temperature ¹	Outdoor cable -40 °C to +70 °C; Indoor cable 0 °C to +70 °C			
Length	Length as defined in P/N, XX meters. Tolerance: < 5.0 meters +5/-0 cm; ≥ 5.0 meters +20/-0 cm Loose tube cables include a transition at one or both ends that is included in overall length.			
¹ Contact customer service representative to discuss exceptional environmental conditions				

Transmission Performance					
Fiber Type	Multimode				Single-mode
	62.5/125µm (850/1300nm)	50/125µm (850/1300nm)	50/125µm (850/1300nm)	50/125µm (850/1300nm)	Single-mode (1310/1383/1550nm)
ISO/IEC name	OM1	OM2	OM3	OM4	OS2
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.4/0.4/0.3*
Maximum Attenuation (dB/km)	3.4/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.65/0.65/0.5**
Minimum Over Filled Launch (OFL) Bandwidth (MHx•km)	200/500	700/500	1500/500	1500/500	- / - / -
Minimum Effective Modal Bandwidth (MHx•km)	220 / -	950 / -	2000 / -	5350 / -	- / - / -
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1000/600	5000/ - / -
Serial 10 Gigabit Ethernet Distance (m)	33/ -	150/ -	300/ -	600/ -	10000/ - / 40000
* including ALTOS®, SST-Drop™, SOLO®, SST-Ribbon™, Industrial LSZH™, Mining and Petrochemical, FREEDM® LST™ FREEDM® Loose Tube, FREEDM® Ribbon, MIC® 250, Ribbon, LSZH™ Ribbon (Registered trademarks of Corning Cable Systems LLC)					
** including Tactical, FREEDM® Fan-Out, FREEDM® ONE, MIC® various, Fan-Out, Single-Fiber, Zipcord 2-Fiber, Ribbon Interconnect,					
Other cable types and manufacturers also available.					
Please contact customer service for additional information.					