

Specifications for the 3M™ FC Connectors

	Multimode			Single-mode			
Product Number	6200	6202	6204	8203/8204	8208	8200	8206-FC/APC
Connector type	Hot Melt Ceramic	Epoxy Ceramic	Epoxy Composite	Epoxy Ceramic	UHT Hot Melt Ceramic	Hot Melt Ceramic	Epoxy Ceramic
Fiber size (µm)	125	125	125	126/127	126	126	126
Insertion loss (dB) typical field mount (one mated pair) @ 1300 nm	<0.2	<0.2	<0.2	<0.3	<0.2	<0.2	<0.2
Reflection (dB) typical field mount	-25	-25	-25	-45	-55	-40	-65
Connector durability (dB) change after 200 matings	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Operating temperature connector only (cable dependent)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-10° to 60°C (-14° to 140°F)	-40° to 85°C (-40° to 185°F)	-40° to 100°C (-40° to 212°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)
Storage temperature	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)	-40° to 80°C (-40° to 176°F)	-40° to 85°C (-40° to 185°F)	-40° to 100°C (-40° to 212°F)	-40° to 85°C (-40° to 185°F)	-40° to 85°C (-40° to 185°F)
Cable tension (in service) Straight pull at 90N (20.5 lbf) Side pull at 13N (3 lbf)	<0.5 dB increase <0.5 dB increase	<0.5 dB increase <0.5 dB increase	<0.5 dB increase <0.5 dB increase	<0.5 dB increase <0.5 dB increase	<0.5 dB increase <0.5 dB increase	<0.5 dB increase <0.5 dB increase	<0.5 dB increase <0.5 dB increase
Testing specifications	TIA*	TIA*	TIA*	TIA* Telcordia**	TIA* Telcordia**	TIA*	TIA* Telcordia**
Material Connector ferrule Connector housing and body Boot	Zirconia ceramic Engineered resin Thermoplastic elastomer	Zirconia ceramic Engineered resin Thermoplastic elastomer	Composite Engineered resin Thermoplastic elastomer	Zirconia ceramic Engineered resin Thermoplastic elastomer	Zirconia ceramic Engineered resin Thermoplastic elastomer	Zirconia ceramic Engineered resin Thermoplastic elastomer	Zirconia ceramic Engineered resin Thermoplastic elastomer
Flame retardancy	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0	UL-94 V-0
Connector identification Backbone Coupling nut Boot	Beige Black White	Black Black Beige	Black Grey White	Black Grey White	Black Grey Blue	Black Grey White	Beige Green Green
Field Termination Kit 120V 230V	6355 6351	8365 8361	8365 8361	8365 8361	6355 6351	6355 6351	8367 Conversion Kit
Ordering Information	6200	6202	6204	8203/8204	8208	8200	8206-FC/APC
Connector type	Hot Melt Ceramic	Epoxy Ceramic	Epoxy Composite	Epoxy Ceramic	UHT Hot Melt Ceramic	Hot Melt Ceramic	Epoxy Ceramic
Packaging	1/pkg., 60/cs.	1/pkg., 60/cs.	1/pkg., 60/cs.	1/pkg., 60/cs.	1/pkg., 60/cs.	1/pkg., 60/cs.	1/pkg., 60/cs.
Minimum order	60 each	60 each	60 each	60 each	60 each	60 each	60 each
UPC	054007-91717	054007-91716	051115-13588	054007-91719 054007-91720	051115-51873	051138-89062	051138-57615

*TIA = TIA/EIA 568B

**Telcordia GR-326-CORE