

Optical Connectors

Field Installable Connectors (Mechanical Type)

“Quick SC”, “Quick LC” and “e-SC” connector series enables easy and quick fiber termination on site

e-SC (for flat cable :2x3mm, 1.6x2mm, 2x2mm) NEW

- Renewed by enhancing the workability
- Compatible with factory-assembled conventional SC
- Easy and quick assembly (within 2 minutes)
- No need electric power, adhesive on site
- Reliable assembly with assembly guide jig and cut spacer appended to connector kit
- Available to re-assembly

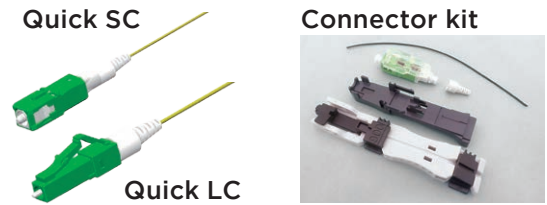


e-SC for flat cable		
Product Name	e-SC-APC<SM>A-6-D	e-SC-UPC<SM>F-6-D
Fiber Type	SM <small><Note 1></small>	
Polish	APC	UPC
Insertion Loss (against master plug)	Typ. ≤0.3dB (max. 0.6dB)	Typ. ≤0.2dB (max. 0.5dB)
Return Loss (against master plug)	Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)
Operating Temperature	-40 to 75°C	
Housing Color	SM.APC Green	SM.SPC Blue
Interface	IEC 61754-4	
Qualification	ANSI/TIA 568.3-D	

<Note 1> SM: ITU-T G657.A1&A2

Quick SC and Quick LC (for single fiber)

- Compatible with factory -assembled conventional SC and LC
- Easy and Quick assembly (within 2 minutes) without special tool
- No need electric power, adhesive on site
- Reliable assembly with assembly guide jig and fiber holder appended to connector kit
- Applicable for both 250μm fiber and 900μm fiber
- Available splice inspection with visible light source on site



Product Name	Quick-SC for fiber					Quick LC for fiber				
	Q-SC-APC<SM>-025/090-A-T	Q-SC-SPC<SM>-025/090-F-T	Q-SC-PC<62.5>-025/090-F-T	Q-SC-PC<50>-025/090-F-T	Q-SC-PC<10G>-025/090-F-T	Q-LC-APC<SM>-025/090-A-T	Q-LC-SPC<SM>-025/090-F-T	Q-LC-PC<62.5>-025/090-F-T	Q-LC-PC<50>-025/090-F-T	Q-LC-PC<10G>-025/090-F-T
Fiber Type	SM		MM62.5	MM50	MM50 (10G)	SM		MM62.5	MM50	MM50 (10G)
Fiber Diameter	250μm or 900μm Tight Buffer <small><Note 1> <Note 2></small>					250μm or 900μm Tight Buffer <small><Note 1> <Note 2></small>				
Polish	APC	SPC	PC			APC	SPC	PC		
Insertion Loss (against master plug)	Typ. ≤0.3dB (max. 0.75dB)	Typ. <0.2dB (max. 0.5dB)	Typ. <0.1dB (max. 0.3dB)			Typ. ≤0.3dB (max. 0.75dB)	Typ. <0.2dB (max. 0.5dB)	Typ. <0.1dB (max. 0.3dB)		
Return Loss (against master plug)	Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)	Typ. ≥35dB (min. 22dB)			Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)	Typ. ≥35dB (min. 22dB)		
Operating Temperature	-40 to 75°C					-40 to 75°C				
Housing Color	SM.APC Green	SM.SPC Blue	MM62.5 Beige	MM50 Black	MM50(10G) Aqua	SM.APC Green	SM.SPC Blue	MM62.5 Beige	MM50 Black	MM50(10G) Aqua
Interface	IEC 61754-4					IEC 61754-20				
Qualification	ANSI/TIA 568.3-D					ANSI/TIA 568.3-D				

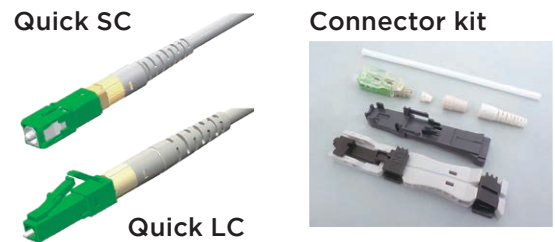
<Note 1> Tight buffered 900μm except for Nylon coated fiber

<Note 2> SM: ITU-T G652.B&D, G657.A1&A2 / MM62.5: IEC60793-2-10 A1b / MM50: IUT-T G.651.1, IEC60793-2-10 A1a.1, IEC60793-2-10 A1a.2

Quick SC and Quick LC (for 2mm/3mm round cord)

- Same Installation as 900μm fiber type
- No crimping process and crimping tools
- Optional tools helps the installation easier
- Optional tools.

Cord Tool (for removing outer sheath and making slits)



Product Name	Quick-SC for round cord					Quick LC for round cord				
	Q-SC-APC<SM>-#A-T	Q-SC-SPC<SM>-#F-T	Q-SC-PC<62.5>-#F-T	Q-SC-PC<50>-#F-T	Q-SC-PC<10G>-#F-T	Q-LC-APC<SM>-#A-T	Q-LC-PC<SM>-#F-T	Q-LC-PC<62.5>-#F-T	Q-LC-PC<50>-#F-T	Q-LC-PC<10G>-#F-T
Fiber Type	SM		MM62.5	MM50	MM50 (10G)	SM		MM62.5	MM50	MM50 (10G)
Fiber Diameter	2mm or 3mm <small><Note 1> <Note 2></small>					2mm or 3mm <small><Note 1> <Note 2></small>				
Polish	APC	SPC	PC			APC	SPC	PC		
Insertion Loss (against master plug)	Typ. ≤0.3dB (max. 0.75dB)	Typ. <0.2dB (max. 0.5dB)	Typ. <0.1dB (max. 0.3dB)			Typ. ≤0.3dB (max. 0.75dB)	Typ. <0.2dB (max. 0.5dB)	Typ. <0.1dB (max. 0.3dB)		
Return Loss (against master plug)	Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)	Typ. ≥35dB (min. 22dB)			Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)	Typ. ≥35dB (min. 22dB)		
Operating Temperature	-40 to 75°C					-40 to 75°C				
Housing Color	SM.APC Green	SM.SPC Blue	MM62.5 Beige	MM50 Black	MM50(10G) Aqua	SM.APC Green	SM.SPC Blue	MM62.5 Beige	MM50 Black	MM50(10G) Aqua
Interface	IEC 61754-4					IEC 61754-20				
Qualification	ANSI/TIA 568.3-D					ANSI/TIA 568.3-D				

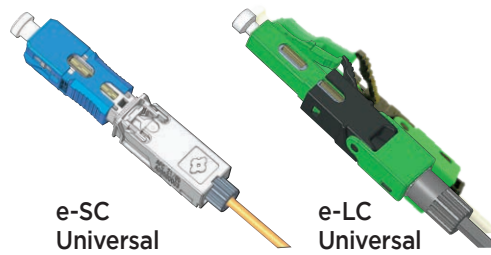
<Note 1> Tight buffered 900μm except for Nylon coated fiber

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Field Installable Connectors (Mechanical Type)

e-SC Universal **NEW** / e-LC Universal (for multi-fiber medias)

- Renewed by enhancing the workability (e-SC Universal)
- Available for six types of fiber media with universal cable holder
- Same assembly procedure as e-SC for flat cable after fitting fiber media to universal cable holder



e-SC Universal / e-LC Universal (for multi-fiber medias)				
Product Name	e-SC-APC<SM>A-6-U	e-SC-UPC<SM>F-6-U	e-LC-APC<SM>025H-A-T	e-LC-UPC<SM>025H-F-T
Fiber Type	SM<Note 1>			
Fiber Diameter	250μm, 900μm tight Buffer, 2mm cord, 3mm cord, Flat cable (2x3mm or 1.6x2mm or 2x2mm)			
Polish	APC	UPC	APC	UPC
Insertion Loss (against master plug)	Typ. ≤0.3dB (max. 0.6dB)	Typ. ≤0.2dB (max. 0.5dB)	Typ. ≤0.3dB (max. 0.75dB)	Typ. ≤0.2dB (max. 0.5dB)
Return Loss (against master plug)	Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)	Typ. ≥60dB (min. 50dB)	Typ. ≥50dB (min. 40dB)
Operating Temperature	-40 to 75°C			
Housing Color	SM.APC Green	SM.UPC Blue	SM.APC Green	SM.UPC Blue
Interface	IEC 61754-4		IEC61754-20	
Qualification	ANSI/TIA 568.3-D			

<Note 1> SM: ITU-T G657.A1&A2

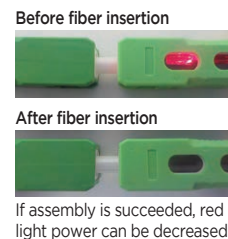
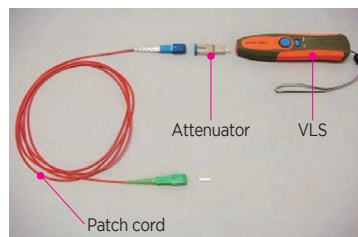
Assembly Tool Kit

- Available for Quick SC, Quick LC, e-SC and e-SC/e-LC Universal type



Visible Light Source(VLS) Kit

- The light power of this VLS is optimized to check splice visual inspection for SEI field installable connector.



Connector termination principle based on mechanical splice technology on site

