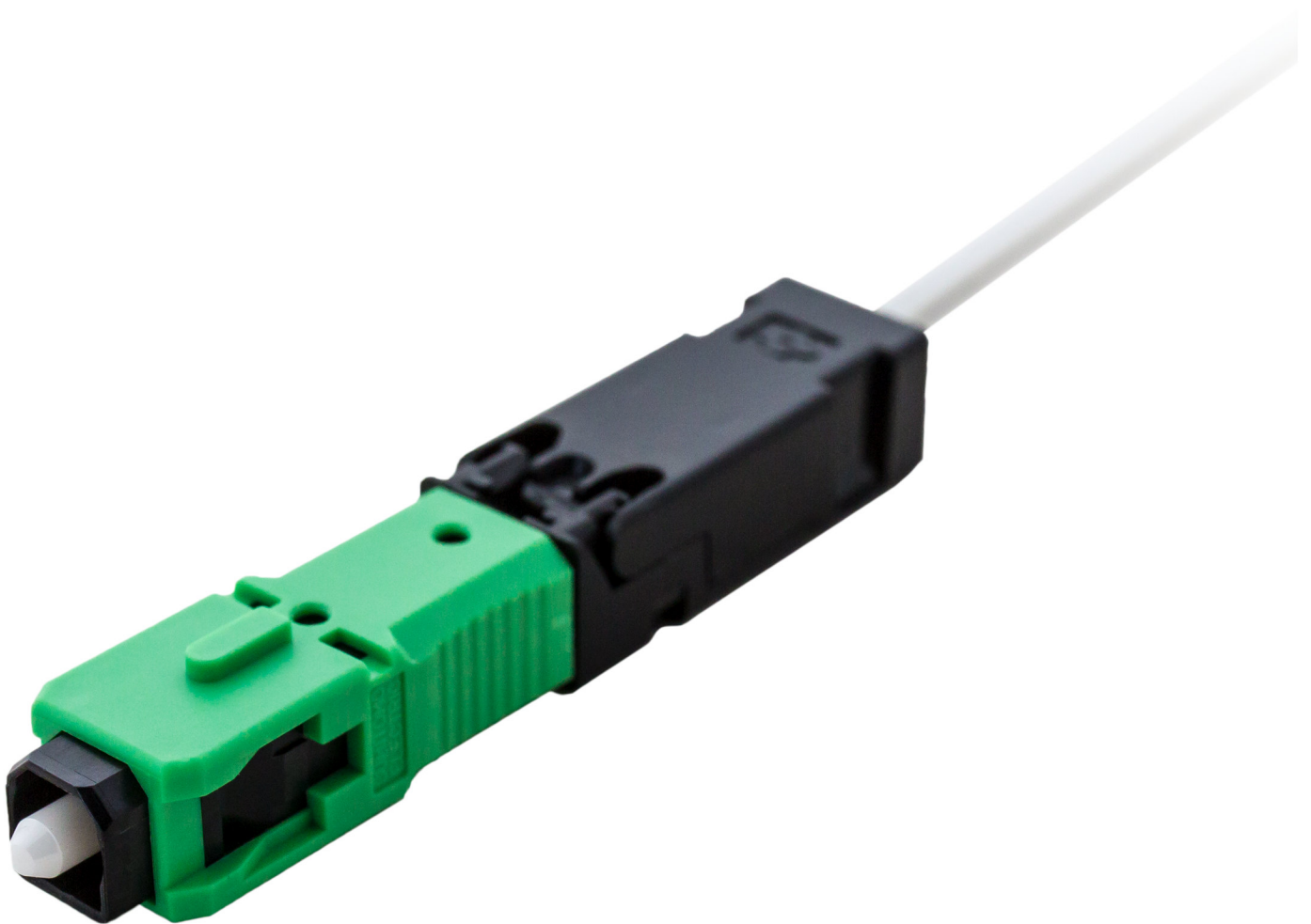


# e-SC

Field assembly connector for rectangular drop cable



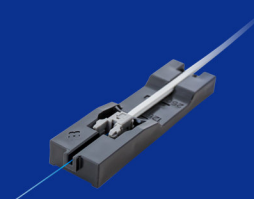
No polishing required

Re-open with assembly tool to re-use, up to 5 times

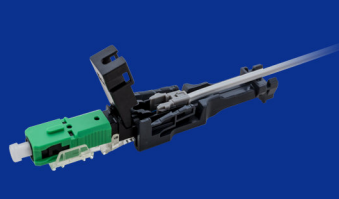
Fast and easy termination of rectangular section FTTH drop cable

Requires only a cleaver, stripping tools and fibre optic cleaning materials

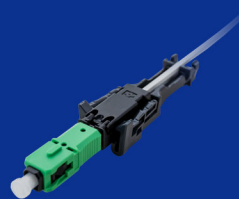
e-SC holder and 'Guide Rail' make cable termination easy



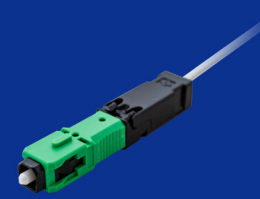
Strip and cleave the fibre in the e-SC holder for easy handling



Use the 'Guide Rail' to align the fibre with the connector body



Snap down the rear of the connector to grip the drop cable



In just 2 minutes the cable termination is complete

Applicable fibre types	G652B & D, G657.A1 & A2	
Applicable cables sizes	Nominal 2x3mm, 2x2mm and 1.6x2mm rectangular drop cable (Note 1)	
Applicable fibre diameter	250±15µm	
Polishing	UPC or APC	
Intermateability	SC - as per IEC 61754-4	
Insertion loss (Note 2)	UPC	APC
- at 1310nm & 1550nm	Typical 0.2dB, Max 0.5dB	Typical 0.3dB, Max 0.6dB
Tensile strength	10N	
Allowable mating	500 times	
Temperature (Note 3)	-40°C to +75°C	
Return loss (Note 2)	UPC	APC
- at 1310nm & 1550nm with FC-6 or FC-8R 'flat' cleaver	≥45dB	≥50dB
- at 1310nm & 1550nm with SE-AFC-08 angle cleaver	N/A	≥60dB
Colour		
Note 1	e-SC is optimised for use with Sumitomo cable. Please see the factory spec for exact cable dimensions. If intending to use e-SC to terminate non-Sumitomo drop cable, check compatibility of the cable and connector before ordering	
Note 2	Measured at 23±5°C with Sumitomo fibre, Sumitomo standard tools and master plug. The insertion loss and return loss values include the connector contact point and the mechanical splice inside the connector body	
Note 3	Values given are for the connector only. The operating temperature range of the drop cable and/or fibre may be less than that of the connector	
Note 4	2 e-SC cut spacers and 2 e-SC insertion guide jigs are included with every 100 connector kits	

## Ordering information

Item	Part number	Item	Part number
Connector kits		Preparation tools	
e-SCA<SM>D-A/v5	IC006PD0009	FC-8R-F cleaver with hard case	TA013PD0053
e-SCU<SM>D-F/v5	IC006PD0010	FC-8R-F cleaver with semi-hard case	TA013PD0054
Accessories		FC-6RS-C cleaver with auto rotating blade	TA013PD0044
e-SCA-U_jig_set	IC007PD0198	SE-AFC-08 cleaver for 8° angle cleaves	TA013PD0049
		JR-M03 three-hole jacket remover	TA012PD0025

Sumitomo Electric reserves the right to alter product specifications without notice E&OE

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