Aerial Connectorised Drop Closure

DESIGN & CONSTRUCTION

- A compact & discreet closure for "last mile" customer connections.
- Loop storage area for midspan and re-routing individual elements
- Supplied with pre-installed drop cable seals and retention – no additional parts required
- Accepts splitters up 4x to 1:8 or splice only
- The closure has a patch panel for up to 32 (24) x 3mm LC (SC) and 16 (16) x 5mm LC (SC) customer connection cables.
- Lockable sections to prevent unauthorised access
- Separate operation and installation area
- All components are tethered to prevent loss during access
- Pole or wall mountable
- Closure and cable inputs sealing to IP55*.

Main characteristics

Kit Contents

The ACDC is supplied with: -

01 x Base
01 x Cover
01 x Perimeter O-Seal
01 x Loop manager
01 x Splice / Patch tray
01 x Patch Panel
01 x Tray cover
01 x Fibre Pin
01 x Drop cable sealing system
02 x Blanking plug

Can be supplied separately: (see page 3)

- Cable ties
- Splice protectors

Logistics

*Packaging dimensions (mm):

- 330 (h) x 185 (w) x 72mm (d)

*Net Weight (Kg):

- 0.75

*Packed weight(kg)

- 0.942

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Main characteristics

- Minimum Fibre Bend Radius (mm):   15   (**Note**: The loop manager will maintain 30mm, the fibre splice tray 15mm).
- Number of Input Cable Ports: Up to 2
- Number of Drop Cable positions: 3mm - 32 (LC) 24 (SC)

- Cable Diameter Range (mm):
    - Midspan Port: up to 7 (optimised for ULW cable)
    - Drop cables: 3

- Cable Retention (N):
    - Midspan port: > Cable (Ø/45) x 1000N with central strength member secured
    - Drop cables: > 10 x D

- Maximum splice capacity of closure: 48
- Maximum splitter capacity of closure: 4x 1:8 or 2x 1:16 (connector dependant)

- Required space envelope (mm):   330 (h) x 185 (w) x 72mm (d)
- Operating temperature: -40°C to + 70°C (5 to 95% RH)
- Material: ABS
- Testing:
    - Closure Sealing: IP55
    - Optical: Tested 1310nm,1550nm and 1625nm
    - Change of Temperature: IEC 61300-2-22
    - Dry Heat: BS EN 60068-2-2 Test Bb
    - Damp Heat: IEC 60068-2-3: 1969
    - Vibration: IEC 61300-2-1
    - Torsion: IEC 61300-2-5
    - Bending: IEC 61300-2-37
    - Impact: IEC 61300-2-12
    - Cable Retention: IEC 61300-2-4
    - Crush Resistance: IEC 61300-2-10

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Part Numbers – 3mm drops

Part No.	Connector type	Connector no.	Drop cable diameter	Splitter no.	Splitter ratio
XCPSC04763	LCA	16	3mm	2	1:8
XCPSC04764	LCA	24	3mm	3	1:8
XCPSC04765	LCA	32	3mm	4	1:8
XCPSC04766	LCA	16	3mm	1	1:16
XCPSC04767	LCA	32	3mm	2	1:16
XCPSC04768	LCU	16	3mm	2	1:8
XCPSC04769	LCU	24	3mm	3	1:8
XCPSC04770	LCU	32	3mm	4	1:8
XCPSC04771	LCU	16	3mm	1	1:16
XCPSC04772	LCU	32	3mm	2	1:16
XCPSC04773	SCA	16	3mm	2	1:8
XCPSC04774	SCA	24	3mm	3	1:8
XCPSC04775	SCA	16	3mm	1	1:16
XCPSC04776	SCU	16	3mm	2	1:8
XCPSC04777	SCU	24	3mm	3	1:8
XCPSC04778	SCU	16	3mm	1	1:16

Part Numbers – 3mm drops without splitters

Part No.	Connector type	Connector no	Drop cable diameter
XCPSC04911	LCA	16	3mm
XCPSC04912	LCU	16	3mm
XCPSC04913	SCA	16	3mm
XCPSC04914	SCU	16	3mm

Products without splitters come complete with pigtails for splicing.

Other configurations available upon request.

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Additional Items

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Item	Prysmian Part No.	Description	Image
SPLICE PROTECTORS 2.2	XKTSC00050 (Pack of 12) XPESC00053 (Pack of 50)	Splice protectors are used to protect the fibre splice. They are 2.2mm in diameter and 45mm in length.	
CABLE TIES	TBC	3.6x80mm cable ties for securing the drop cables	
SLACK STORAGE BRACKET	TBC	Pole/wall storage bracket for incoming or drop cable excess lengths.	
SPLITTERS	XSPSG00660 (1x8 SCA) XSPSG00661 (1x8 LCU) XSPSG00662 (1x16 SCA) XSPSG00663 (1x16 LCU) XSPSG00780 (1x8 SCU) XSPSG00781 (1x8 LCA) XSPSG00782 (1x16 SCU) XSPSG00783 (1x16 LCA)	A range of optical splitters are available to install into the joint. The splitters have 1 metre input and 70mm output legs with 250 micron G657A1 fibre. For full technical information on the splitters refer to data sheet AC005.	