

# PRECONNECTORISED UDS1 DROP CABLE®

Product Design

Product code – see page 2



## DESIGN & CONSTRUCTION

- Suitable for underground use
- Both ends have ability to remove outer external sheath
- Connector protected at both ends by whip
- Terminated single ended or both ends
- Supplied coiled (no bobbin/reel/drum)

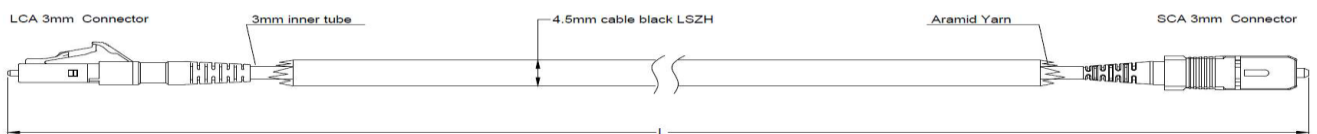
## PRODUCT DESCRIPTION

The preconnectorised indoor / outdoor cables have been designed to allow minimal effort when a cable enters the building. The external sheath can be removed easily to expose a white inner low smoke sheath for internal use. The cable can be supplied in various lengths and can be terminated at a single end or at both ends. The most common terminations used are SC/APC and LC/APC although other can be supplied. Details on the cable specification can be found on the following pages. The cable is PIA ready; it has been tested using Dexgreen Cable clamps.

## Technical data

### Single mode (1310/1550nm)

- Maximum Insertion Loss (dB):  $\leq 0.3$  Typical 0.2 (UPC and APC)
- Return Loss (dB):  $\geq 55$  (UPC),  $\geq 65$  (APC)



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All sizes and values without tolerances are reference values. Specifications are for product as supplied by Prysmian: any modification or alteration afterwards of product may give different result.

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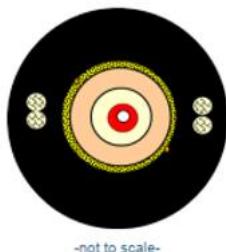
## Part Numbers

Part Number	Description	Length (m)	MOQ
XPCSC02234	UDS1 Drop SCA-SCA	10	320
XPCSC02235	UDS1 Drop SCA-SCA	25	280
XPCSC02236	UDS1 Drop SCA-SCA	50	140
XPCSC02237	UDS1 Drop SCA-SCA	75	120
XPCSC02238	UDS1 Drop SCA-SCA	100	120
XPCSC02239	UDS1 Drop SCA-SCA	150	60
XPCSC02240	UDS1 Drop SCA-SCA	200	45
XPCSC02241	UDS1 Drop LCA-LCA	10	320
XPCSC02242	UDS1 Drop LCA-LCA	20	300
XPCSC02244	UDS1 Drop LCA-LCA	30	240
XPCSC02245	UDS1 Drop LCA-LCA	40	190
XPCSC02246	UDS1 Drop LCA-LCA	50	140
XPCSC02247	UDS1 Drop LCA-LCA	60	120
XPCSC02248	UDS1 Drop LCA-LCA	75	120
XPCSC02249	UDS1 Drop LCA-LCA	100	120
XPCSC02250	UDS1 Drop LCA-LCA	150	60
XPCSC02251	UDS1 Drop LCA-LCA	200	45
XPCSC02252	UDS1 Drop SCA-LCA	10	320
XPCSC02253	UDS1 Drop SCA-LCA	25	280
XPCSC02254	UDS1 Drop SCA-LCA	50	140
XPCSC02255	UDS1 Drop SCA-LCA	75	120
XPCSC02256	UDS1 Drop SCA-LCA	100	120
XPCSC02257	UDS1 Drop SCA-LCA	150	60
XPCSC02258	UDS1 Drop SCA-LCA	200	45

# PRECONNECTORISED UDS1 DROP CABLE ®

## UDS1 DROP CABLE DATASHEET

TC08544



### Cable Design

- **Semi-tight optical fibre:** 900µm semi-tight buffered fibre, in deep coloured. Easy strippable.
- **Protection/reinforcement:** aramid yarns
- **Inner Sheath:** LSZH-FR material
- **Water tightness:** dry core with swellable elements.
- **Reinforcement:** aramid yarns around the inner sheath; 4 GFRP rods embedded in the outer sheath.
- **Outer Sheath:** HDPE. 2 ripcords beneath the outer sheath.

### PRODUCT DESCRIPTION

Universal drop cable for aerial, duct and External/Internal use. Please refer to our Installation Guides, please ask to our sales office. Easier storage & faster installation. The fully dry design provides easier and faster installation without cleaning.

## Technical data and main characteristics

No. of Fibres	1		
SAP code	-	60108426	
Tube Ø	mm	0.9	
Cable Dimensions	mm	5.1	
Cable Weight	Kg/km	20	
Maximum Installation Tension - MAT	daN	80	
Breaking Load	daN	<200	
Minimum Bending Radius	mm	Without tension:50	
Temperature Range	°C	Installation: -5 → +60	Transport & Storage: -40 → +70 Operation: -40 → +70

Test	Standard	Specified Value	Acceptance Criteria*
Maximum Tension - MAT	IEC 60794-1-21-E1	See table above	$\Delta a \leq 0.05$ dB, Fibre strain typically $\leq 0.667\%$
Crush	IEC 60794-1-21-E3	20 daN/cm 30 daN/cm	$\Delta a \leq 0.1$ dB, no damage $\Delta a$ reversible
Impact	IEC 60794-1-21-E4	5 Nm (20 °C & -15°C) 7Nm	$\Delta a$ reversible, no damage $\Delta a$ reversible
Torsion	IEC 60794-1-21-E7	20N, 1m $\pm$ 180°, 10 cycles	$\Delta a \leq 0.1$ dB
Cable Kink	IEC 60794-1-21-E10	R=25 mm (20°C & -15°C)	No kink, no damage, $\Delta a$ reversible
Cable Bend	IEC 60794-1-21-E11B	R=50 mm	$\Delta a \leq 0.1$ dB, no damage
Temperature Range	IEC 60794-1-22-F1	-40°C → +70°C	$\Delta a \leq 0.1$ dB/km
Water Penetration (except in the inner cable)	IEC 60794-1-22-F5B	Sample = 3m, water = 1m	No water leakage after 168h

\*values for single-mode fibres, all optical measurements performed at 1550nm. All measurements in accordance with ITU-T G650 recommendations.