



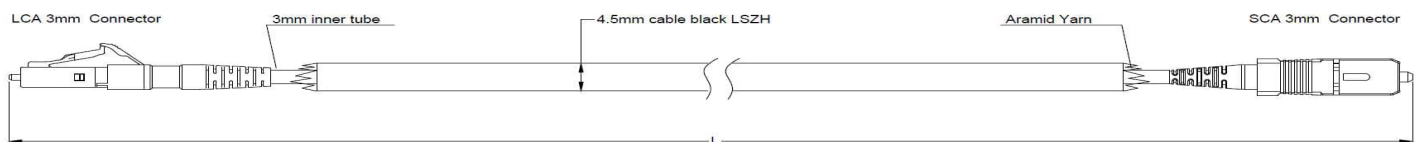
DESIGN & CONSTRUCTION

- 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

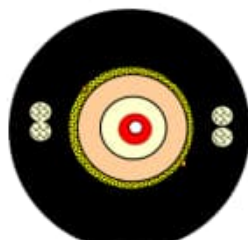


Part Numbers

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

UDS1 Drop Cable Datasheet

TC08544



-not to scale-

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.

Cable Application

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 further cleaning.

Technical Data

No. of Fibres		1		
SAP code		60108426		
Tube Ø	mm	0.9		
Cable Dimensions	mm	5.1		
Cable Weight	kg / km	20		
Max 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

Main Characteristics

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

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