



DESIGN & CONSTRUCTION

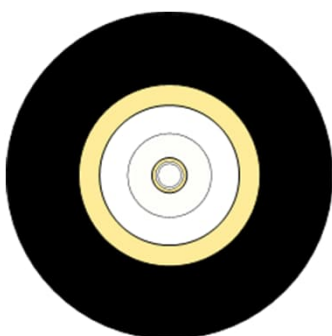
- Suitable for underground and aerial applications
- Terminated single ended or both ends
- Supplied coiled (no bobbin/reel/drum)
- PIA Ready

Product description

The preconnectorised indoor / outdoor 3mm diameter cable is perfect for applications where a discreet cable is required. 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. For PIA approval use PLP cable clamps.

Technical data

No. of Fibres		1		
Fibre Type	-	G.657.A2		
SAP Code	-	-		
Micromodule Diameter - Ø	mm	0.9		
Sheath Thickness	mm	0.7		
Cable Diameter - Ø	mm	3.0		
Cable Weight	kg / km	10		
Minimum Bending Radius	mm	Under Maximum Tension: 20 x Cable Ø	Without Tension: 10 x Cable Ø	
Temperature Range	°C	Transport & Storage: -10 → +60	Installation: -10 → +60	Operation: -10 → +60



Cable Design

According to IEC 60794-2-50

- **Fibre:** BendBright™ XS Single-Mode Fibre.
- **Protection layer:** thermoplastic material.
- **Micromodule:** 0.9 mm LSOH coating (semi-tight).
- **Peripheral Strength Member:** aramid yarns.
- **Outer Sheath:** UV resistant black flame retardant LSOH.

Preconnectorised 3mm Drop Cable

Prysmian

Part Numbers

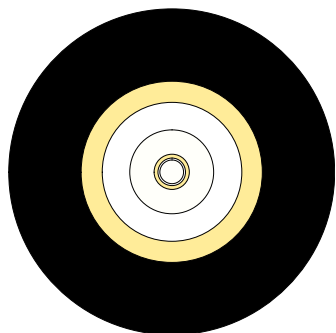
A Brand of Prysmian Group

Part number	Description	Length (m)	MOQ
XPCSC02437	Drop – 3mm SCA to SCA - 10M	10	320
XPCSC02438	Drop – 3mm SCA to SCA - 25M	25	280
XPCSC02439	Drop – 3mm SCA to SCA - 50M	50	140
XPCSC02440	Drop – 3mm SCA to SCA - 75M	75	120
XPCSC02441	Drop – 3mm SCA to SCA - 100M	100	120
XPCSC02442	Drop – 3mm SCA to SCA - 150M	150	60
XPCSC02443	Drop – 3mm SCA to SCA - 200M	200	45
XPCSC02444	Drop – 3mm LCA to LCA - 10M	10	320
XPCSC02445	Drop – 3mm LCA to LCA - 20M	20	300
XPCSC02446	Drop – 3mm LCA to LCA - 30M	30	240
XPCSC02447	Drop – 3mm LCA to LCA - 40M	40	190
XPCSC02448	Drop – 3mm LCA to LCA - 50M	50	140
XPCSC02449	Drop – 3mm LCA to LCA - 60M	60	120
XPCSC02450	Drop – 3mm LCA to LCA - 75M	75	120
XPCSC02451	Drop – 3mm LCA to LCA - 100M	100	120
XPCSC02452	Drop – 3mm LCA to LCA - 150M	150	60
XPCSC02453	Drop – 3mm LCA to LCA - 200M	200	45
XPCSC02454	Drop – 3mm SCA to LCA - 10M	10	320
XPCSC02455	Drop – 3mm SCA to LCA - 25M	25	280
XPCSC02456	Drop – 3mm SCA to LCA - 50M	50	140
XPCSC02457	Drop – 3mm SCA to LCA - 75M	75	120
XPCSC02458	Drop – 3mm SCA to LCA - 100M	100	120
XPCSC02459	Drop – 3mm SCA to LCA - 150M	150	60
XPCSC02460	Drop – 3mm SCA to LCA - 200M	200	45
XPCSC02461	Drop – 3mm SCA to NONE - 10M	10	320
XPCSC02462	Drop – 3mm SCA to NONE - 25M	25	280
XPCSC02463	Drop – 3mm SCA to NONE - 50M	50	140
XPCSC02464	Drop – 3mm SCA to NONE - 75M	75	120
XPCSC02465	Drop – 3mm SCA to NONE - 100M	100	120
XPCSC02466	Drop – 3mm SCA to NONE - 150M	150	60
XPCSC02467	Drop – 3mm SCA to NONE - 200M	200	45
XPCSC02468	Drop – 3mm LCA to NONE - 10M	10	320
XPCSC02469	Drop – 3mm LCA to NONE - 25M	25	280
XPCSC02470	Drop – 3mm LCA to NONE - 50M	50	140
XPCSC02471	Drop – 3mm LCA to NONE - 75M	75	120
XPCSC02472	Drop – 3mm LCA to NONE - 100M	100	120
XPCSC02473	Drop – 3mm LCA to NONE - 150M	150	60
XPCSC02474	Drop – 3mm LCA to NONE - 200M	200	45

3mm drop cable datasheet

Indoor/outdoor aerial drop optical fibre cable

TC08463



-not to scale-

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Main Characteristics

Test	Standard	Specified Value	Acceptance Criteria ⁽¹⁾
Max Load	IEC 60794-1-21-E1	500 N	$\Delta I/I$ fibre $\leq 0.6\%$, $\Delta\alpha \leq 0.05$ dB after the test
Tensile Performance - EDS	IEC 60794-1-21-E1	150 N	$\Delta I/I$ fibre $\leq 0.2\%$, $\Delta\alpha \leq 0.05$ dB after the test
Breaking Load	IEC 60794-1-21-E1	< 2000N	No optical functionality
Crush	IEC 60794-1-21-E3	500 N / 100 mm, 1 min	$\Delta\alpha \leq 0.05$ dB after the test, no damage
Impact	IEC 60794-1-21-E4	1 J, 3 impact, R = 12.5 mm	$\Delta\alpha \leq 0.05$ dB after the test
Stripping Force Stability of Cabled Fibres	IEC 60794-1-21-E5	0.3 m	30 cm optical fibre length extracted in one step
Kink	IEC 60794-1-21-E10	R = 10 mm	no damage
Bending Under Tension	IEC 60794-1-21-E18A	R = 10 x OD, 100 N, 5 min	$\Delta\alpha \leq 0.05$ dB during and after the test, no damage
Outer Sheath Strippability	IEC 60794-2-50-E21	50 mm	≤ 15 N
Temperature Cycling	IEC 60794-1-22-F1	-10 ° C to +60 ° C, 2 cycles	$\Delta\alpha \leq 0.05$ dB/Km, reversible

(1) values for single-mode fibres, all optical measurements performed at @1550nm.

Aerial Performance

Climatic Conditions	Sag %	Maximum Span (m) ⁽²⁾
100 km/h wind	2	68
5 mm radial ice	2	68

(1) examples of computed values.