Pre-terminated Fibre Optic Cable Assemblies

PROPATCH Pre-terminated fibre optic cable assemblies present an efficient and effective cable deployment option for any size of fibre optic network. High precision factory terminations, coupled with exceptional quality cable in a range of constructions and styles and fully factory tested terminations ensure peace of mind and rapid deployment.

Applications

- Data Centre, SAN & Enterprise networks
- Campus & site networks
- Remote locations including mine sites & drilling fields
- Dangerous environments where splicing equipment is restricted
- Installations requiring rapid turnaround
- Plug and play networks

Features & Benefits

- Compact multifibre terminations available up to 144 fibres
- Low losses due to quality factory terminations and premium connectors
- Rapid deployment time with pre-connectorised assemblies - simply plug and play
- Compact size breakout units improve space management in high density applications
- A variety of cable constructions available including loose-tube, tight buffered riser, round mini & ribbon
- Available termination options include a range of simplex, duplex and multifibre connectors
- Optional integrated connector sheath limits potential damage during hauling and installation
- Eliminates the need for splicing equipment

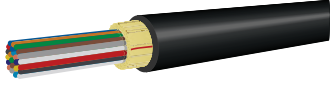Active | Passive | Test Equipment | Tooling | Cable | Fibre Management
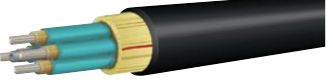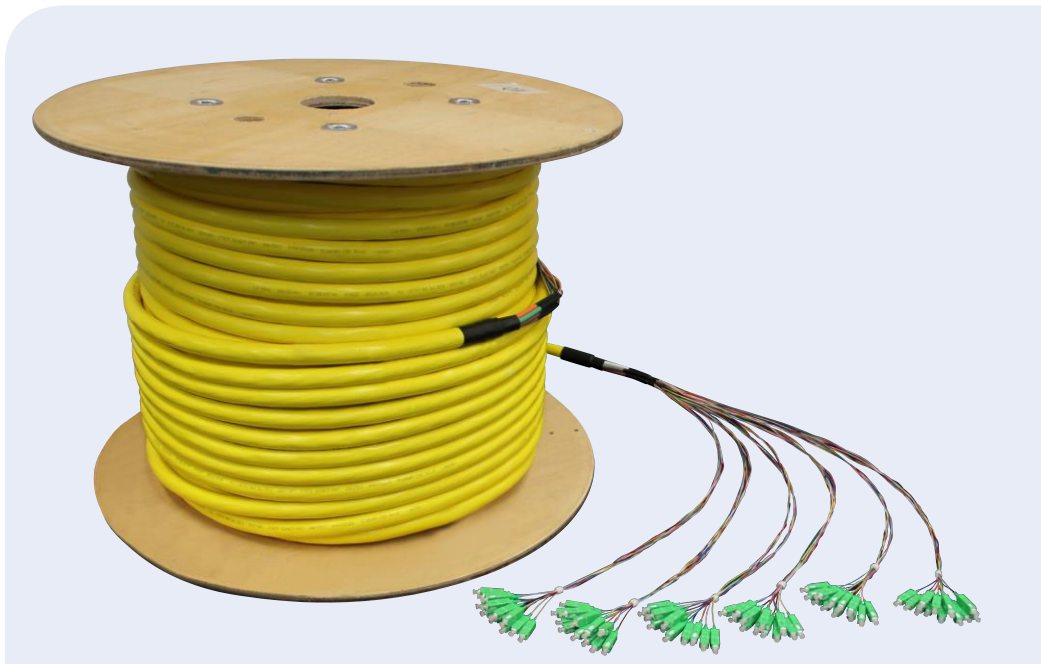
For further information:
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Manufacturing Options

Cable Type	Description	Fibre Counts	Oversleeving Sizes (mm)	Jacket Options	
Distribution (Dx)	900um tight-buffered distribution cable (sub grouped 72f+)	2 - 144	2.0, 3.0 ($\leq$6f)	LSZH, PVC, Military Tactical Polyurethane	
Breakout (Bx)	2.0/2.5mm tight-buffered breakout cable	2 - 24	N/A	LSZH, PVC, Military Tactical Polyurethane	
Subgroup (Gx)	900um tight-buffered, 5.5mm subgroup fibre cable	24 - 144	2.0	LSZH	
Micro cable (MC)	250um multicore micro cable	12 - 24	0.9, 2.0	LSZH, Double Jacket	
Subgroup micro cable (SMC)	Subgrouped 250um multicore micro cable	48 - 144	0.9, 2.0	LSZH	
Loose Tube (LT)	250um loose tube fibre cable	6 - 144	0.9, 2.0	Nylon, CST, F/GRP, PE Sac Sheath	

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Technical Specifications

Applicable Connectors	SC, SCA, LC, LCA, ST, FC, FCA, MU [a]			
Fibre Mode	OM1	OM3	OM4	OS1/2
Core/Cladding (um)	62.5/125	50/125	50/125	9/125
Fibre Conformance	TIA/EIA 492AAAA	ITU G651.1	ITU G651.1	ITU G652.D [b]
Insertion Loss (max dB)	0.30	0.30	0.30	0.25
Insertion Loss (avg dB)	0.15	0.15	0.15	0.18
Insertion Loss (random)	0.20	0.20	0.20	0.18
Return Loss (dB)	N/A	N/A	N/A	APC: >60 PC: >50

a Contact **LCP** for non standard connector specifications
b G657.A2 available by request

Applicable Standards

Insertion Loss	All SC, SCA, LC, LCA, ST, FC assemblies comply with the loss requirements of ISO/IEC 61300-3-4, ISO/IEC 61300- 3-34 & AS/NZS ISO/IEC 14763.3
Return Loss	All singlemode assemblies comply with the return loss requirements set out in ISO/IEC 61300-3-6
Cable Attenuation	Cable attenuation falls below levels specified in AS/NZS 3080
Testing	All testing is completed with reference grade patch leads and precision zirconia sleeve adapters and meet all requirements for testing in AS/NZS ISO/IEC 14763.3
Fibre Standards	Singlemode assemblies meet ITU 652.D & TIA/EIA 492 CAAA requirements OM3 & OM4 assemblies meet ITU 651.1 & TIA/EIA 492 AAAB requirements OM1 multimode patch leads meet requirements set out in TIA/EIA 492 AAAA
Low Smoke Zero Halogen	All LSZH patch leads meet the requirements for flame and fire retardant properties, low smoke opacity and nil halogens as set out in IEC 60332-1, IEC 60332-3, IEC 1034 1/2, & IEC 60754-1/2

ABOUT PROPATCH:

PROPATCH Brand is sold for over 20 Years and accepted in the market as a high quality, superior performance brand and is backed up by 25 Year system performance warranty. PROPATCH products includes, Copper & Fibre optic cabling products, Cabinet and accessories, and Data Networking equipment such as Switches, Media convertors, POE injectors.

To get the optimum performance out of your network you need a high-performance cabling infrastructure and PROPATCH delivers this platform today and for the future. All PROPATCH products Complies with ANSI/TIA, ISO/IEC 11801 standard.

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Field Deployable Reels

PROPATCH Field deployable cable reels offer a convenient method for roll-out and retrieval of fibre optic cable assemblies as well as a range of communications cabling. LCP offers a range of cable reels in sizes to suit 300, 500 and 1000m of 6mm OD cable.

Hand wound reels offer a simple deployment and retrieval method that allows for patching of cable assemblies without the need to fully unwind the reel. These reels are well suited to the PROPATCH range of harsh environment cable assemblies including expanded beam, multi-channel physical contact and broadcast connectivity.

Application

- Broadcast and television networks
- Defence deployable communications
- Mine site and harsh environment cabling
- Deployable connectivity

Technical Information

Part Number	Cable Capacity	Dimensions (mm)	Weight
PRO-Reel-1000	1000M	590 x 590 x 480	16.3KG
PRO-Reel-500	500M	520 x 520 x 410	12.8KG
PRO-Reel-300	300M	450 x 450 x 410	10.1KG

For more information please visit to our Website (WWW.LCP.CO.NZ) or Click on below links

https://www.lcp.co.nz/pages/products/69/PROPATCH-Fiber-Optic-Pre-Terminated---Custom-Made-Cables-Assemblies---Harsh-Environment--Military-

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