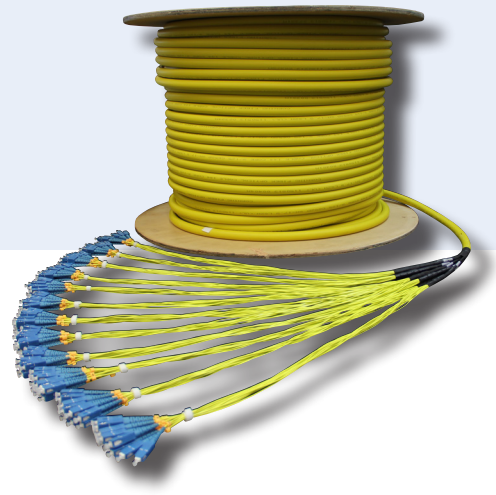


Pre-terminated Fibre Optic Cable Assemblies



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

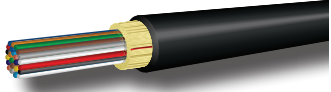
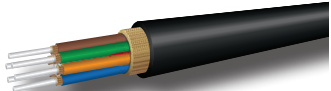
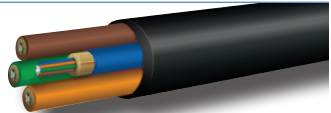
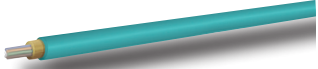
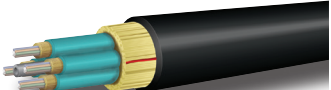
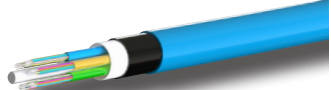
- Compact multifibre terminations available up to 144 fibres
- Low losses due to quality factory terminations and premium connectors
- Rapid deployment time with pre-connectorised assemblies - simply plug and play
- Compact size breakout units improve space management in high density applications
- A 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

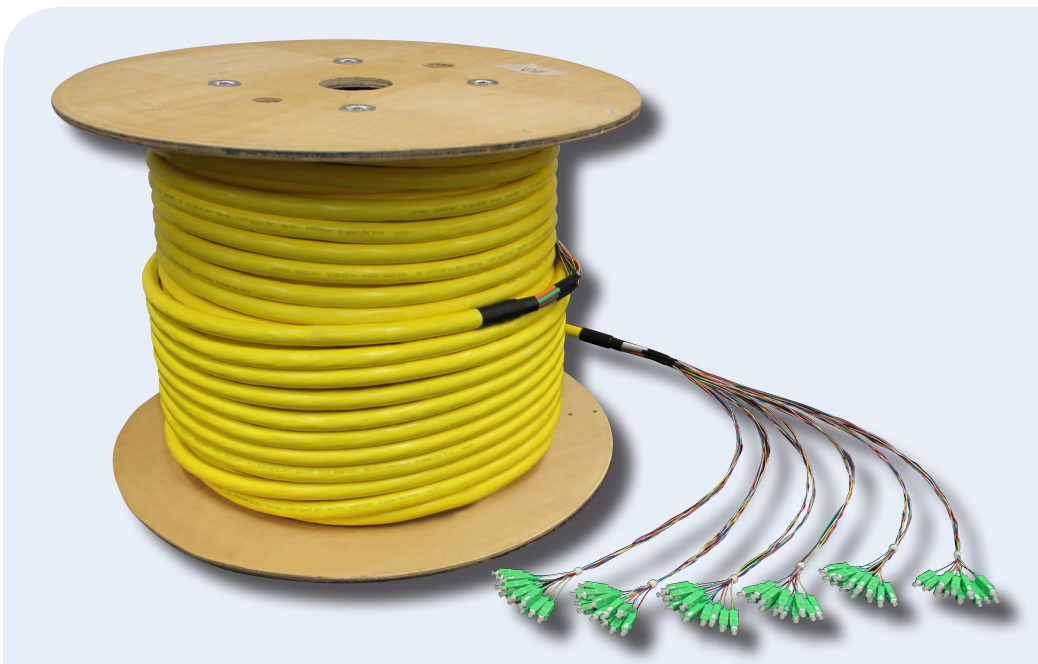


Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:
www.fibreoptic.com.au
+61 3 9757 3000

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	



Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:
www.fibreoptic.com.au
 +61 3 9757 3000

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 FOS 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

Ordering Information

B M3 - LC SC 10M - 24 - A - B (- E)

Cable Style	Cable Mode	Connectors End 1 & 2	Length (m)	Fibre Count	B/out End ^e 1 & 2 (mm)	Oversleeving End 1 & 2 ^{de}	Configuration Options
R: Riser Grade Distribution	S: OS1/2 M1: OM1	SC: SC/UPC SCA: SC/APC			A: 150 2: 200	A: None B: 2mm Standard	A: LD Mesh ^a end 1 B: LD Mesh ^a end 2
MD: Mil Tac Distribution	M3: OM3 M4: OM4	LC: LC/UPC LCA: LC/APC LCIP: LC/UPC			B: 250 3: 300 4: 400	E: 3mm Standard K: 2mm Coloured L: 3mm Coloured	C: LD Mesh ^a end 1 & 2 D: HD Mech ^a end 1 E: HD Mech ^a end 2
B: Breakout MB: Mil Tac Breakout		ST: ST/UPC			5: 500 6: 600		F: HD Mech ^a end 1 & 2 G: Stagger end 1
MC: Micro Cable		FC: FC/UPC			7: 700		H: Stagger end 2
RMC: Double Jkt Micro Cable		FCA: FC/APC			8: 800	O: 1500	I: Stagger end 1 & 2
SMC: Subgrouped Micro Cable		E2KA: E2000/APC			9: 900 1: 1000	P: 1600	J: Gland end 1
LT: Loose Tube		MTM: MTRJ Male			2: 1100	Q: 1700	K: Gland end 2
LTC: CST L/T		MTF: MTRJ Female			3: 1200	R: 1800	L: Gland end 1 & 2
LTF: FRP L/T		MU: MU			4: 1300	S: 1900	M: Conduit end 1
SAC: Sac Sheath L/T		FDDI: FDDI Duplex			5: 1400	T: 2000	N: Conduit end 2
DXA: Distribution Armoured		SMA: SMA				U: 2100	P: Conduit end 1 & 2
		DIN: DIN				V: 2200	S: Drum/Spool
		ESCON: ESCON				W: 2300	
		MTPM: MTP Male				X: 2400	
		MTPF: MTP Female				Y: 2500	
		M24M: 24F MTP Male				Z: 3000	
		M24F: 24F MTP Female				N: Non-standard ^c please specify	

Contact FOS with any enquiries

- a 'LD Mesh' is an expandable cover pulling sock - low duty non waterproof
- b 'HD Mech' is a hard conduit pulling mech - heavy duty waterproof
- c For any non-standard configuration options please specify length
- d Coloured breakouts follow standard TIA colours (blue orange green brown etc)
- e List both if breakout length or sleeving type differ by ends

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:
www.fibreoptic.com.au
 +61 3 9757 3000