

Pre-terminated Loose Tube Cables

AFL can offer a comprehensive range of high quality pre-terminated loose tube cables. Our in-house production facility enables us to offer quick turn-around times and great flexibility to meet our customers' varied requirements.

Pre-terminated cables can be manufactured to virtually any length and connector combination. Each end of the cable is terminated with a purpose-built loose tube fanout kit which offers excellent fibre protection.

Features

- Pre-terminated cables offer the advantage of reduced time and cost associated with on-site connector terminations and testing. This is of particular interest for projects where narrow installation windows can be applicable.
- Machine polished and thoroughly inspected and tested factory terminations offer greater consistency with regard to connector termination quality and performance.
- Compact, yet robust fanout kits offer excellent fibre protection during hauling and installation.
- Mini fanout kits are ideal for any enclosure installation with 20 mm holes.

Applications

- Backbone installations



Sliding enclosure showing two ruggedised kits

Manufacturing Options

CONNECTORS					
SC/UPC	SC/APC	LC/UPC	ST/UPC	FC/UPC	FC/APC
FIBRE FANOUT KITS					
Housing Style		Fibre count available		Fanout tails	
Mini (18.5 mm OD)		6, 12 fibres		Colour	Yellow (SM OS1/2) Orange (MM OM1) Aqua (MM OM3/4)
Ruggedised (25-42 mm OD)		6, 12, 24, 48, 72 fibres		Diameter Length	2 mm 1 m

Additional Options: Protective hauling mechanism, Hybrid connector terminations, Cable glands – nylon or metal, Custom numbering and labelling



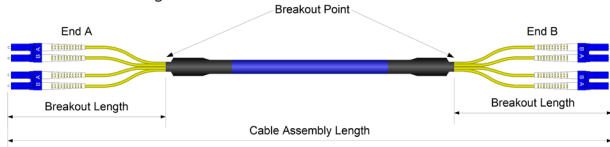
Hauling Mech

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Technical Specifications

ASSEMBLY DIMENSIONS AND PACKAGING

Fanout tail length is measured from fanout point to connector and is 1 m unless protective hauling is used. Cable assembly length is measured from connector to connector (including the fanout tails).



Loose tube cable assemblies are supplied on drums unless specified otherwise. End A (terminated end) will be wound on the inside of the drum unless specified otherwise.

FIBRE FANOUT KITS

Housing Style	Fibre Count	Outer Diameter (OD)
Mini	6, 12	18.5 mm
Ruggedised	6, 12	25 mm
	24, 48	31 mm
	72	42 mm

Individual clip-on numbers are attached to each tail for fibre identification



CONNECTOR PERFORMANCE

LC, SC, ST and FC connectors*

	Multimode	Singlemode	
	at 850 and 1300 nm	UPC at 1310 and 1550 nm	APC at 1310 and 1550 nm
	Typical	Typical	Typical
Insertion Loss (dB)	0.25	0.25	0.25
Return Loss (dB)	—	55	65

* Please contact AFL for connector performance of other connectors

CROSSOVER

LC-LC are duplexed to maintain an end to end pair crossover unless specified otherwise SC, ST and FC are terminated with simplex connectors and are not duplexed.

PROTECTIVE HAULING MECHANISMS

	Material and Construction	Outer Diameter
Heavy Duty	Braided sleeving with loop	50 mm (approx)

Connector staggering is required when protective hauling mechanism is used.

Staggered connectors are paired and spaced 60 mm apart.

The pairs follow the standard colour code and numbering: blue/orange, green/brown, grey/white etc. with pair 1 blue/orange the longest.