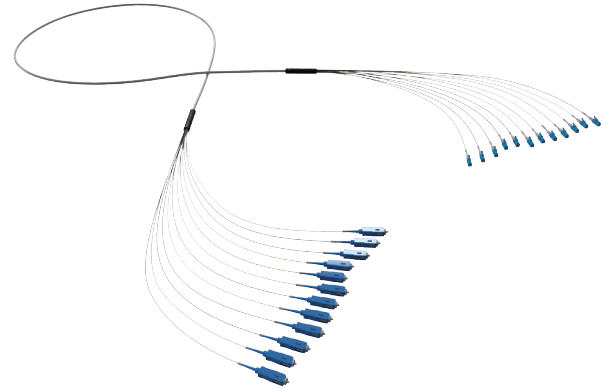


Multifibre nano cable assemblies with 900µm tails

- Available in OM1, OM2, OM3, OM4 and G.657A1 fibre and RBS (Reduced Bend Sensitivity)
- Up to 24 cores
- 900µm tails
- Available with all standard connectivity
- Factory terminated and tested



Overview

The ultra tough nano cable assembly features a compact size of nano cable providing a flexible though ruggedized product with extreme crush resistance and the improved optical performance of the nano cable structure.

Benefits

- Extremely small size
- High crushing resistance - up to 1500N
- Can be bent around tight corners
- 900µm tails for installation inside fibre management - ODFs, panels
- Ideal for FTTH application - small size and ruggedized for drop cable applications
- Ideal for data centres - small size in high density environments

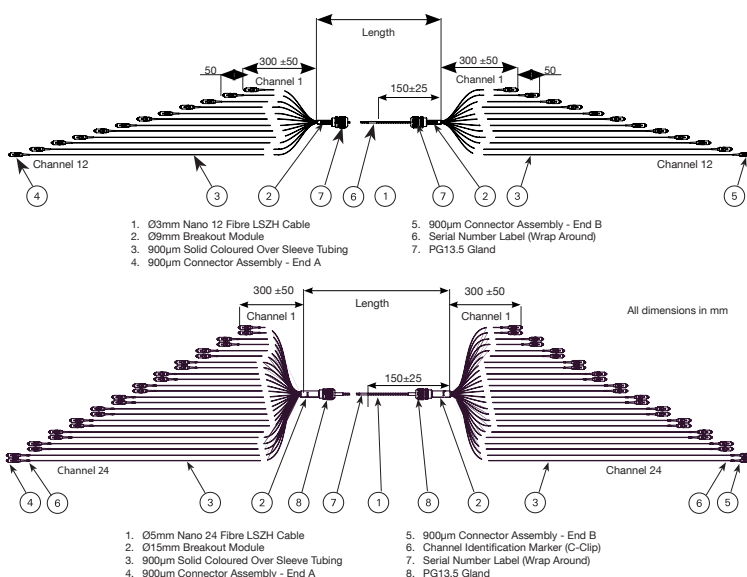
- Secure and rugged breakout module
- Improved optical performance of loose tube structure

Applications

- Internal short optical links
- Data centre infrastructure
- Storage area network (SAN)
- FTTH/ FTTX
- Telecoms

Standard compliance

- TIA/EIA-568-C.3 and ISO/IEC 11801
- ISO/IEC 60793
- ISO/IEC 61753, IEC 61754 and IEC 61755
- Compliant to Directive 2002/95/EC (RoHS) and REACH SvHC



Multifibre nano cable assemblies with 900µm tails

Specifications

Fibre grade	G.657A1, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Cable specification	Nanocable: 12, 24 cores MAX OD: 12 cores 3mm 24 cores 5mm Material: PA12 (LSZH) Colour: Black, Yellow, Aqua
Packaging	Length ≤100mtr: HD bag Length >100mtr: drum
Operating temperature	-40 ~ +70°C
Storage temperature	-10 ~ +70°C

Cable performance

Fibre type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
	≤ 0.38 Max (1310nm) ≤ 0.25 Max (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1330nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm)
Attenuation coefficient [db/km]	≤ 0.34 Typ (1310nm) ≤ 0.19 Typ (1550nm)	≤ 2.9 Typ (850nm) ≤ 1.2 (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)
Minimum bandwidth: Overfilled launch [Mzh-km]	NA	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
Minimum bandwidth: Laser effective modal bandwidth [Mzh-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700 (850nm)

Connector performance

Connector mating	IL Average Standard	IL MAX Standard	IL Average Premium	IL MAX Premium	Return loss
Multimode	0.15 dB	0.30 dB	0.08 dB	0.15 dB	NA
Singlemode	0.18 dB	0.30 dB	0.12 dB	0.15 dB	>55/65 dB (UPC/APC)

Ordering information

Part number generator

PRE																
	Fibre Count	Connector END A				Connector END B*				Fibre Type		Cable Construction		Cable length (m)	Jacket Type	
	12	LC	LC	FC	FC	LC	LC	FC	FC	OS1/OS2	9	Micro Cable 900µm tails	M9C	XX	LSZH	-
	24	LC/APC	LCA	FC/APC	FCA	LC/APC	LCA	FC/APC	FCA	OM1	62				PL	OFNP
	48	SC	SC	E2000	E2	SC	SC	E2000	E2	OM2	50	RI	OFNR			
	72	SC/APC	SCA	E2000/APC	E2A	SC/APC	SCA	E2000/APC	E2A	OM3	OM3					
	96	ST	ST			ST	ST			OM4	OM4					
	144									G.657/A1	A1					

* If end B differs from end A

© Copyright 2013 Technetix Group Limited. All rights reserved.

This document is for information only. Features and specifications are subject to change without notice. Technetix, the Technetix logo, Ingress Safe, Modem Safe and certain other marks and logos are trade marks or registered trade marks of Technetix Group Limited in the UK and certain other countries. Other brand and company names are trade marks of their respective owners. Technetix protects its technology and designs by registering patents, trade marks and designs in Europe and certain other countries.