

## Multi-Fibre Nano Cable Assemblies with 2mm Tails

Nano cable pre-terminated assemblies with 2mm tails. They feature high crush resistance and low loss optical performance. These assemblies benefit from a small, compact ruggedized nano cable and they are an ideal solution for drop cable and high density internal applications. The 2mm patch cord style tails secure the optical fibre in applications where the cable is non-protected, ex. outside patch panels, ODFs and wall boxes. The overall small and compact size of these assemblies improves cable management and airflow in rack systems.

### Applications

- Data centres
- FTTx
- Telecommunication networks
- Internal short links
- Ideal for drop cable and high density applications
- Front panel/equipment connections

### Features

- Compact size and low weight
- Improved cable management
- Low loss performance
- 2mm tails
- Up to 24 fibres
- Available with various optical connectors
- Available in standard and reduced bend sensitivity OM1, OM2, OM3, OM4 and OS1/OS2(G.652.D, G.657A1) fibre
- LSZH jacket
- 100% Factory terminated and tested

## Specifications

ELEMENT	CHARACTERISTIC
Fibre	G.657A1, OM1, OM2, OM3, OM4 (ISO/IEC 60793)
Cable	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 (GR326)
Installation Temperature	-10 ~ +70°C (GR326)

## Connector Performance

	MULTIMODE	SINGLEMODE
IL Average Standard	0.15dB	0.18dB
IL Max Standard	0.30dB	0.30dB
IL Average Premium	0.08dB	0.12dB
IL Max Premium	0.15dB	0.15dB
Return Loss	N/A	>55/65dB (UPC/APC)

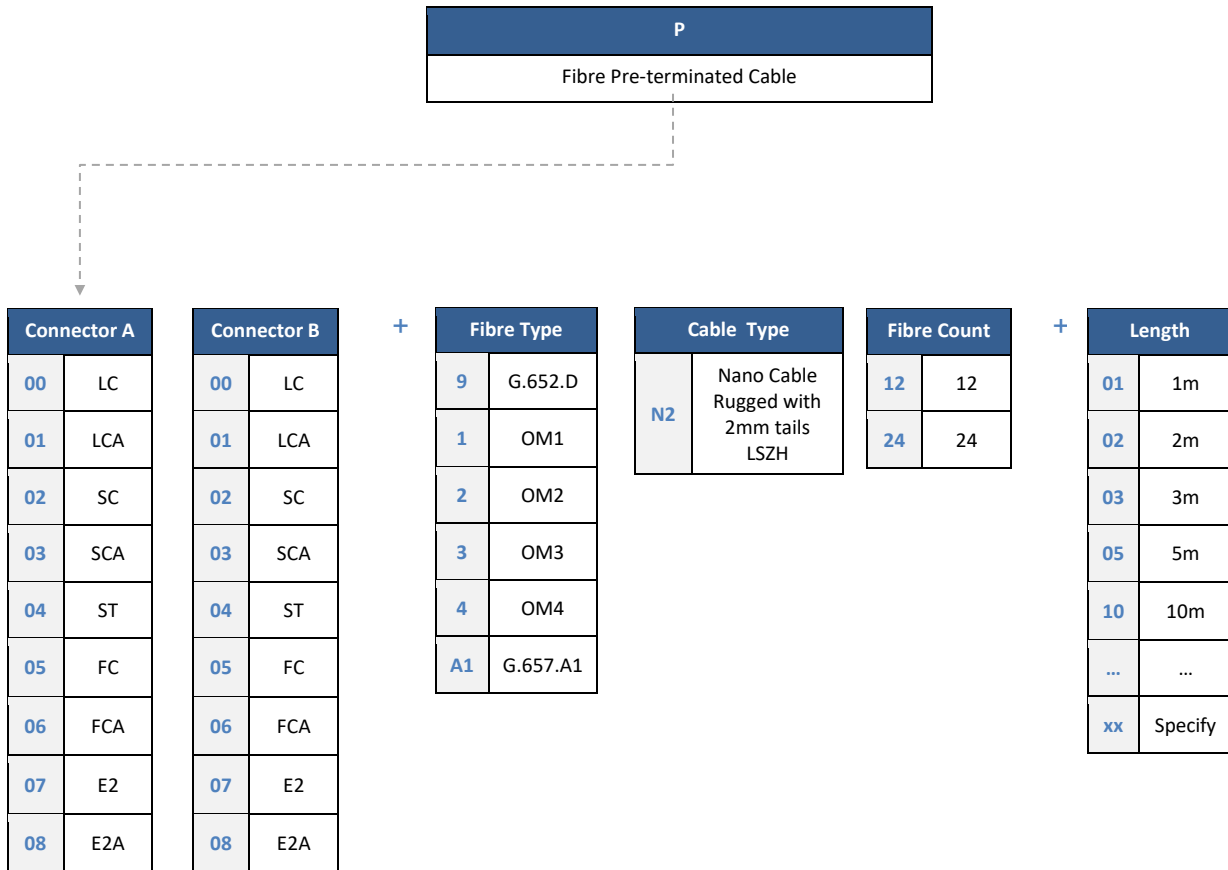
## Fibre Performance

Fibre Type (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
Attenuation Coefficient (dB/km)	≤ 0.38 Max (1310nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)	≤ 3.5 Max (850nm)
	≤ 0.25 Max (1550nm)	≤ 1.5 Max(1300nm)	≤ 1.5 Max(1300nm)	≤ 1.5 Max(1300nm)	≤ 1.5 Max(1300nm)
	≤0.34 Typ (1310nm)	≤ 2.9 Typ (850nm)	≤ 2.7 Typ (850nm)	≤ 2.7 Typ (850nm)	≤ 2.7 Typ (850nm)
	≤0.19 Typ (1550nm)	≤ 1.2 Typ (1300nm)	≤ 0.9 Typ (1300nm)	≤ 0.9 Typ (1300nm)	≤ 0.9 Typ (1300nm)
Minimum Bandwidth: Overfilled Launch (Mhz-km)	N/A	≥ 200 (850nm) ≥ 500 (1300nm)	≥ 500 (850nm) ≥ 500 (1300nm)	≥ 1500 (850nm) ≥ 500 (1300nm)	≥ 3500 (850nm) ≥ 500 (1300nm)
	N/A	N/A	N/A	N/A	≥ 4700 (850nm)

## Standards 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

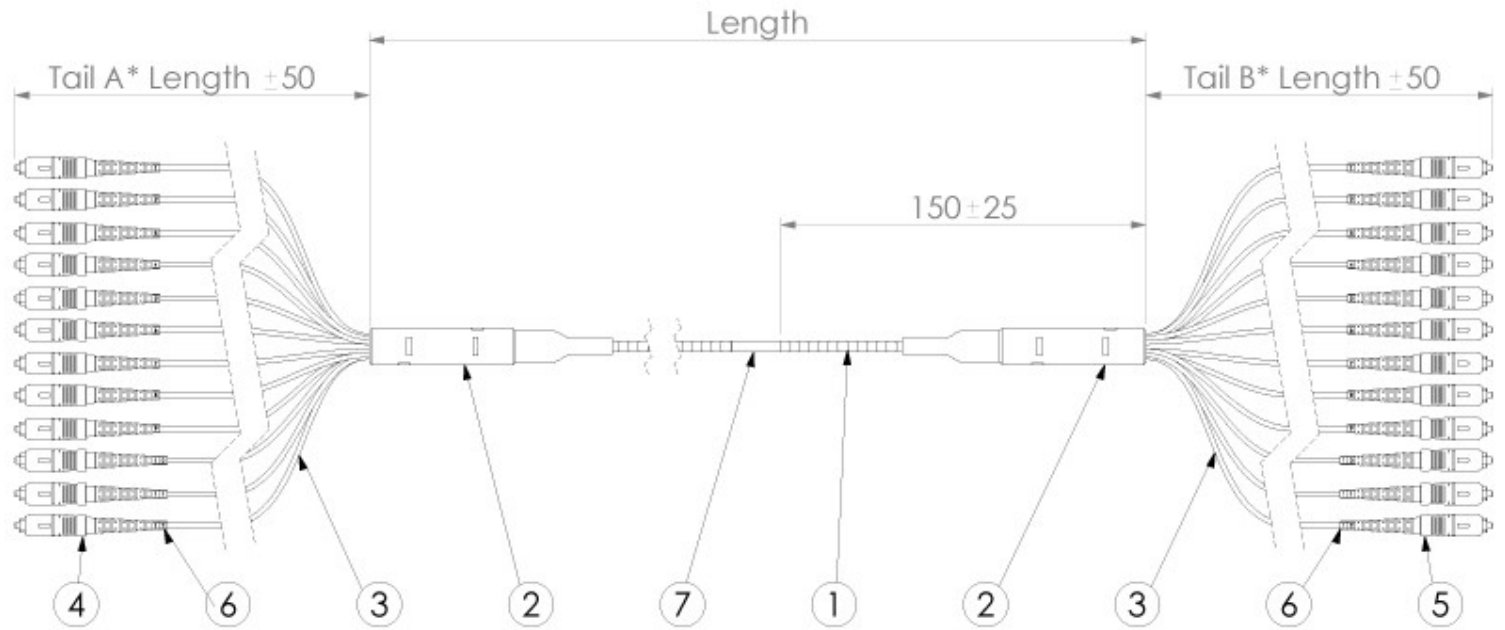
## Ordering Information



### Example:

**P-0000A1N212-100** – LC/UPC – LC/UPC 12 Core Pre-terminated Nano Ruggedized Cable with 2mm Tails, Singlemode G.657.A1 100m

## Technical Drawing



1.  $\varnothing 3$ mm Miniflex 12 Fibre LSZH Cable
2.  $\varnothing 15$ mm Ruggedised Breakout Module
3. 2mm Furcation Tubing
4. Connector Assembly - End 1

5. Connector Assembly - End 2
  6. Channel Identification Marker (C-Clip)
  7. Serial Number Label (Wrap Around)
- \* Typical tail length: 1 metre