

## Multi-Fibre Nano Cable Assemblies with 900um Tails

Nano cable pre-terminated assemblies with 900um 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.

### Applications

- Data centres
- FTTx
- Telecommunication networks
- Internal short links
- Ideal for drop cable and high density applications
- Inside panels, ODFs and wall boxes applications

### Features

- Compact size and low weight
- Improved cable management
- High crush resistance
- Low loss performance
- 900um 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.657.A1) fibre
- 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
Installation Temperature	-10 ~ +70°C

## 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)

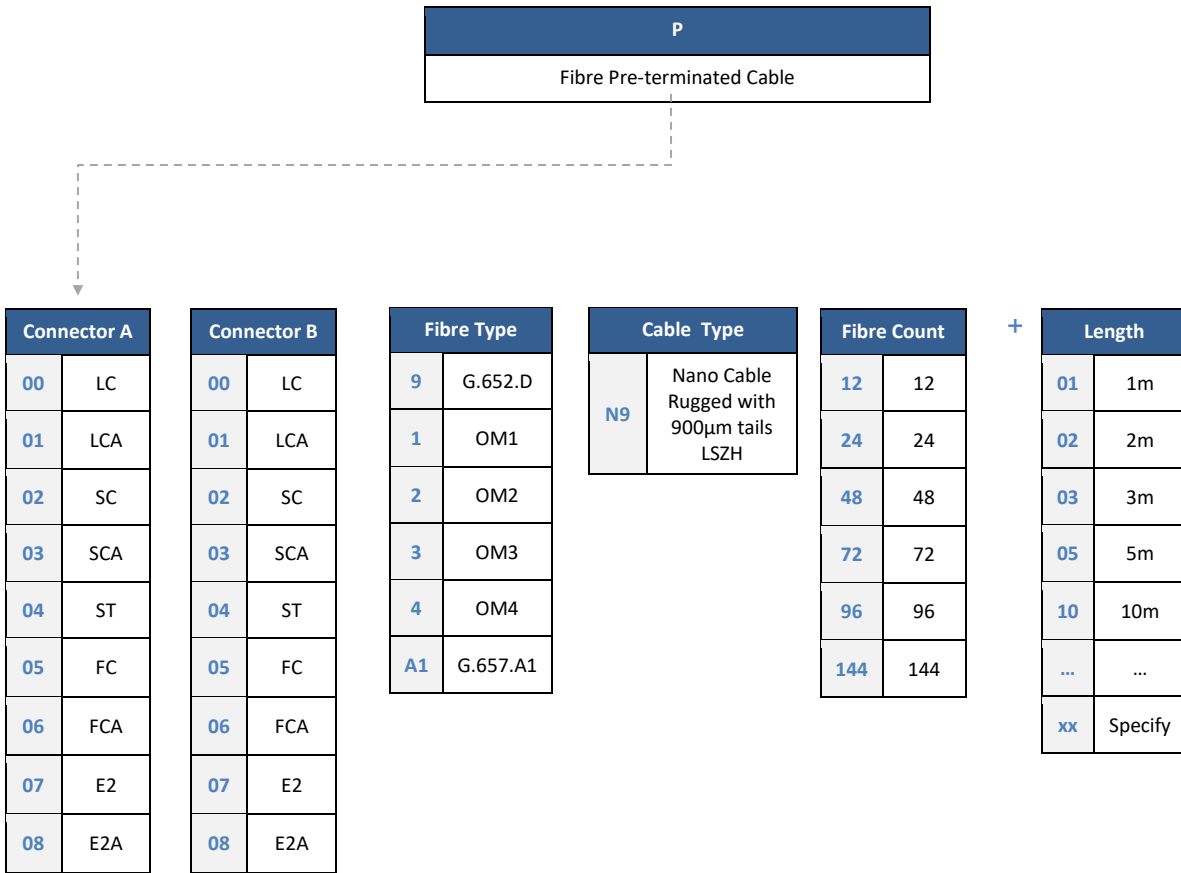
## Fibre Performance

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 (850nm)	≥ 1500 (850nm)	≥ 3500 (850nm)
		≥ 500 (1300nm)	≥ 500 (1300nm)	≥ 500 (1300nm)	≥ 500 (1300nm)
Minimum Bandwidth: Laser Effective Modal Bandwidth (Mhz-km)	N/A	N/A	N/A	≥2000 (850nm)	≥ 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-0000A1N9144-100** – LC/UPC – LC/UPC 12 Core Pre-terminated Nano Ruggedized Cable with 900µm Tails, Singlemode G.657.A1 100m

## Technical Drawing

