

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.

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

Applications

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

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) ≤ 0.25 Max (1550nm) ≤ 0.34 Typ (1310nm) ≤ 0.19 Typ (1550nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.9 Typ (850nm) ≤ 1.2 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 0.9 Typ (1300nm)	≤ 3.5 Max (850nm) ≤ 1.5 Max (1300nm) ≤ 2.7 Typ (850nm) ≤ 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)
Minimum Bandwidth: Laser Effective Modal Bandwidth (Mhz-km)	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

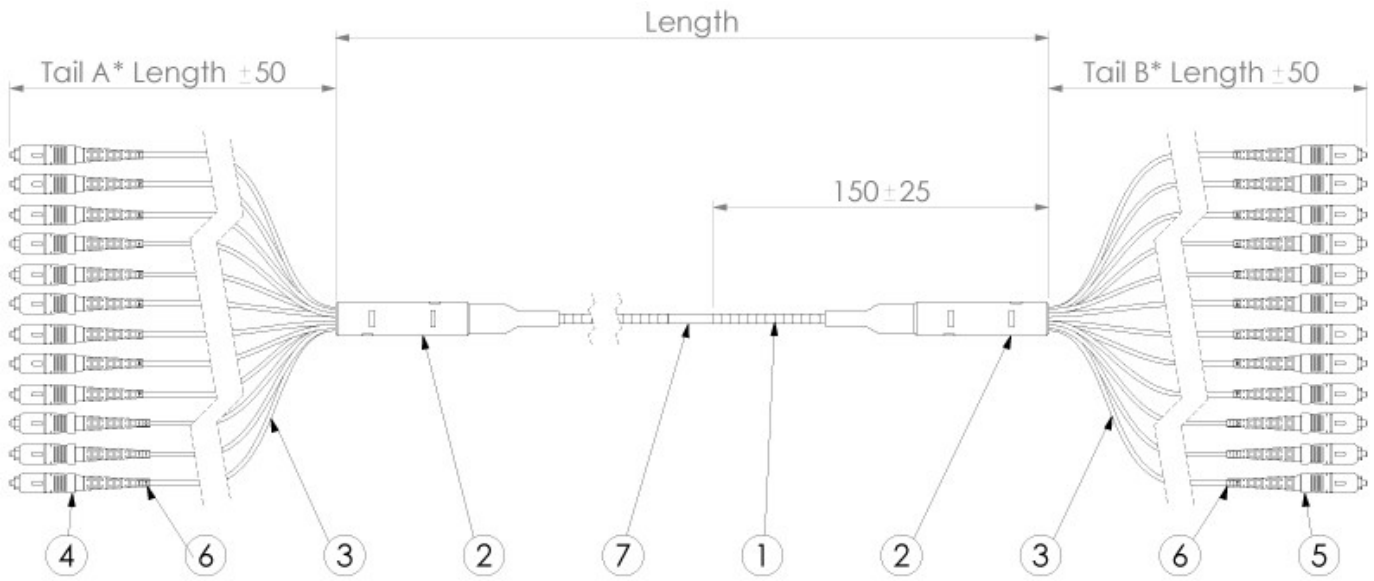
	Connector A		Connector B		Fibre Type		Cable Type		Fibre Count		Length	
	Code	Connector	Code	Connector	Count	Type	Material	Description	Core	Clad	Code	Value
OP	00	LC	00	LC	9	G.652.D	N2	Nano Cable Rugged with 2mm tails LSZH	12	12	01	1m
	01	LCA	01	LCA	1	OM1			24	24	02	2m
	02	SC	02	SC	2	OM2					03	3m
	03	SCA	03	SCA	3	OM3					05	5m
	04	ST	04	ST	4	OM4					10	10m
	05	FC	05	FC	A1	G657A1				
	06	FCA	06	FCA							xx	Specify
	07	E2	07	E2								
	08	E2A	08	E2A								

Example order code

OP	-	00	00	A1	N2	12	-	100
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LC/UPC – LC/UPC 12 Core Pre-terminated Nano Ruggedised 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