

# MT Connect MPO-LC Breakouts

Datasheet: GD102630v2

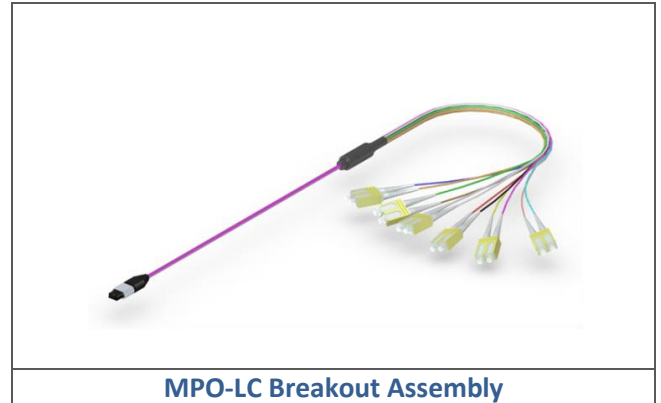
## APPLICATION

Hybrid breakout units are made up of 12 fibres LSOH jacketed cables terminated at one end in pinned MPO connectors, through a bifurcation unit, in to SC or LC duplex connectors terminated to 2mm OD simplex cables.

The assemblies are available in OM3, enhanced OM4 or OS1 (008) performance grade.

## FEATURES

- Plug and play technology
- Factory termination
- Bend-insensitive fibre (multimode fibre)
- LSOH sheathing



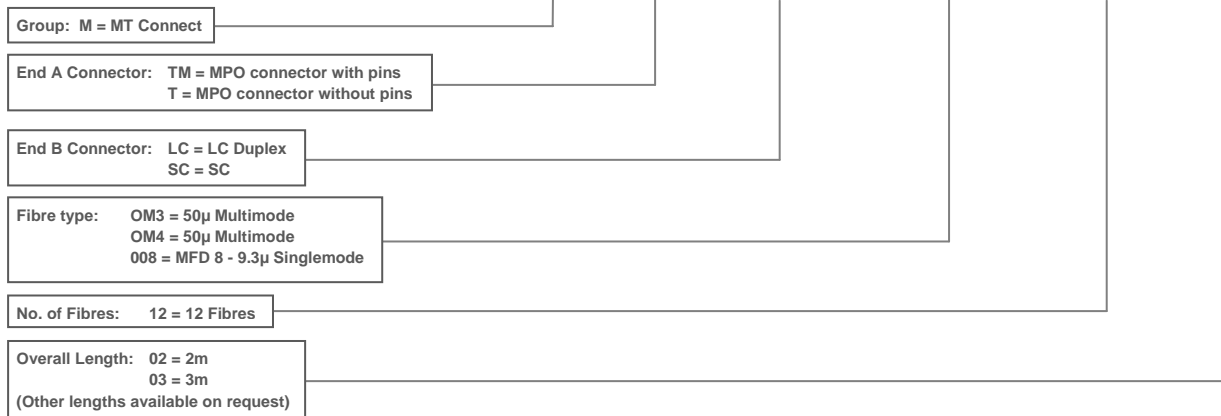
MPO-LC Breakout Assembly

## ORDER INFO

Brand-Rex Part Number	Item Description	Colour
MTMLCOM312020	Breakout assembly, MPO with pins to 12 LC connectors, OM3 performance, 12 way, 2.0m overall length	Aqua
MTLCOM412030	Breakout assembly, MPO with pins to 12 LC connectors, OM4 Performance, 12way, 3.0m overall length	Heather Violet

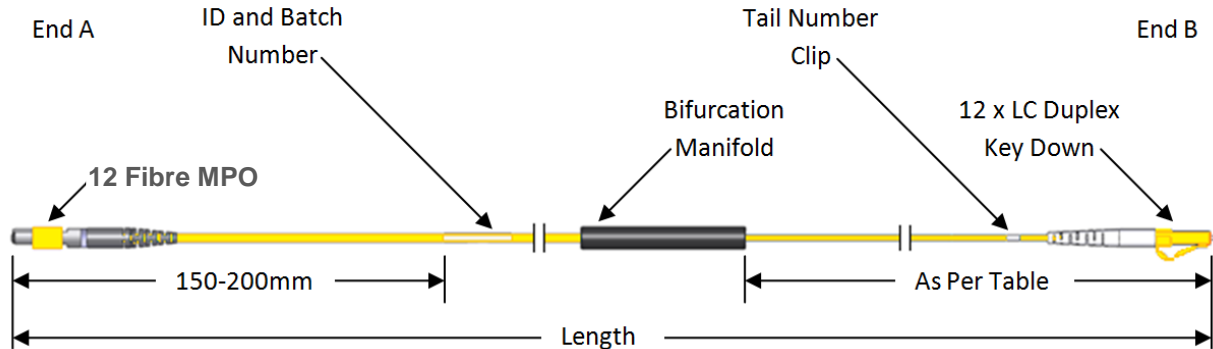
## PART NUMBER BREAKDOWN

# MAABBCCC12DD



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## PHYSICAL CHARACTERISTICS



## MECHANICAL SPECIFICATIONS

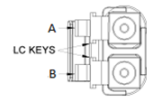
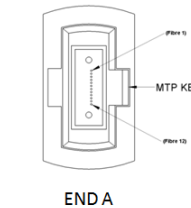
- Trunk Cable: 3.0mm OD LSOH Micro Distribution Cable
- Tails: 2.0mm OD LSOH Simplex Cable
- Singlemode Static Bend Radius: 30mm
- Singlemode Dynamic Static Bend Radius: 60mm

## OPTICAL CHARACTERISTICS

- Singlemode
  - Insertion Loss (dB): 0.35 typical 0.75 maximum
  - Return Loss (dB): 55 minimum
  - Attenuation (dB/km): 1310nm 0.3 typical 0.4 maximum  
1550nm 0.2 typical 0.4 maximum
- Multimode
  - Insertion Loss (dB): 0.35 typical 0.75 maximum
  - Return Loss (dB): 20 minimum
  - Attenuation (dB/km): 850nm 2.6 typical 3.5 maximum  
1300nm 0.6 typical 1.5 maximum

## WIRING SCHEMATIC

END A	CONNECTIONS	END B
Tx-1 (f1)	Blue	Tx-1 (f1) Tail 1 A
Rx-2 (f2)	Orange	Rx-2 (f2) Tail 1 B
Tx-3 (f3)	Green	Tx-3 (f3) Tail 2 A
Rx-4 (f4)	Brown	Rx-4 (f4) Tail 2 B
Tx-5 (f5)	Grey	Tx-5 (f5) Tail 3 A
Rx-6 (f6)	White	Rx-6 (f6) Tail 3 B
Tx-7 (f7)	Red	Tx-7 (f7) Tail 4 A
Rx-8 (f8)	Black	Rx-8 (f8) Tail 4 B
Tx-9 (f9)	Yellow	Tx-9 (f9) Tail 5 A
Rx-10 (f10)	Purple	Rx-10 (f10) Tail 5 B
Tx-11 (f11)	Pink	Tx-11 (f11) Tail 6 A
Rx-12 (f12)	Cyan	Rx-12 (f12) Tail 6 B



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