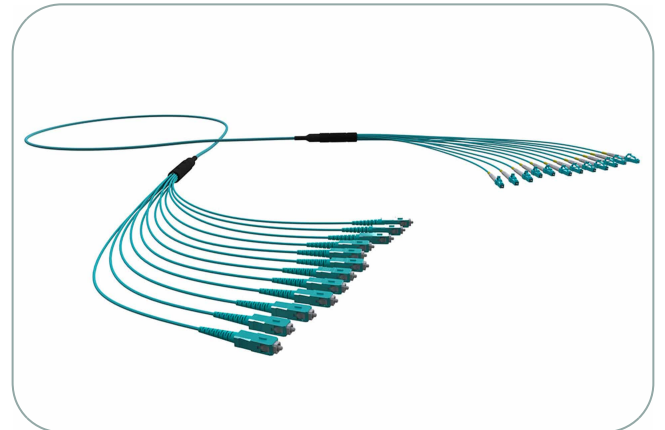


# Preterm and MPO B2CA CPR Multifibre Cable Assembly

B2CA cable assemblies are built using the highest available flame and heat release cable rating to address recent CPR EU regulations, standards or local guidances. Selecting the highest flame and heat release rating cable provides assurance that a premium product was selected, important in areas of high risk to people (escape routes, hospitals, tunnels), areas of high flammability or high business importance. Assemblies are offered with a selection of fibre (SF- LC, SC) terminations.



## Features

- Highest flame spread and heat release CPR B2CA rated cable for assured safety of crucial infrastructure
- High strength cable - increased tensile load and crush resistance - protects cable better from accidental damage
- Tails Selection 2/3mm ruggedized tails can be used for a direct front panel or equipment connections whereas 900µm tails can be used for installation inside fibre management.
- Flexible customizable designs - allows you to customize your product to adjust to your active ports/ panels
- E-Glass for rodent protection feature
- MTP/MPO and Single Fibre Terminations LC, SC
- Rapid Deployment - Factory terminated cabling saves installation and reconfiguration time eliminating field deployment variables.
- Optimised Termination Performance Low loss MTP/MPO Elite, discrete Premium connectors and OM4 fiber assures low insertion losses and power penalties in tight power budget high speed network environment.

## Applications

- Enterprise and TELCO Universal Links
- Data centre infrastructure

## Specifications

ELEMENT	CHARACTERISTICS
Fiber	OS2 with G.657A1, OM4
Tail Dimensions	0.9mm (LC, SC)/ 2mm (LC, SC)/ 3mm (MPO)
	LC, SC, MPO

ELEMENT	CHARACTERISTICS
Cable Construction	Dry Loose Tube DLT up to 24 Core Jacket Colour: Yellow (SM), Aqua (OM4)
Cable Diameter	(Up to 24 Cores) OD MAX: 7.0mm
Crush Resistance	1500N/100mm
Design Pulling Strength	(Short) 1500N
Cable Strength Member	E-Glass
Storage Temperature	-5 ~ +40 °C
Installation Temperature	-20 ~ +60 °C
Operating Temperature	-20 ~ +60 °C
EuroClass	B2ca s1a d0 a1

ELEMENT	CHARACTERISTICS		
	DLTR (MPO)	DLTR (LC/ SC 2mm)	DLT (LC/SC 0.9mm)
Tail dimension/ Config - LC/ SC	3mm Tail- 0.5meter Fanout - End A & B	2mm Tail- 1 meter Fanout - End A & B	0.9mm Tail Staggered - End A & B
Gland	NA	NA	PG13.5
Tail Protection	Soft Protection	Soft Protection	Protection Tube
Pulling Element	NA	NA	>20mtr

### Termination Performance

CONNECTOR MATING	IL AVERAGE	IL MAX	RETURN LOSS
MPO Premium (MM)	0.10 dB	0.35 dB	N/A
NA	NA	NA	N/A
MPO Premium (SM)	0.10 dB	0.35 dB	>60 dB
NA	NA	NA	NA

OPTICAL PERFORMANCE	MM PREMIUM	NA	SM PREMIUM	NA	CONFORMANCE
IL Max/Master (Acceptance)	0.15 dB	NA	0.15 dB	NA	IEC 61300-3-4
Ave/Master	0.08 dB	NA	0.12 dB	NA	IEC 61300-3-4
Ave/Random	0.10 dB	NA	0.12 dB	NA	IEC 61300-3-34
RL(Min Acceptance)	NA	NA	55/65 dB*	NA	IEC 61300-3-6

\*Connector Performance table does not refer to E2A Terminations \*\* UPC/APC

### Cable Performance

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

FiberType (ISO/IEC 11801)	OS1/OS2	OM1	OM2	OM3	OM4
Minimum Bandwidth: Laser Effective Modal Bandwidth [Mhz-km]	NA	NA	NA	≥ 2000 (850nm)	≥ 4700 (850nm)

## Ordering Information

### MPO TRUNKS

Code	Fiber Type	Fiber Count	Color	Grade	End A	End B	Polarity	Unit	Length
M	4BW OM4	BB 12	9 Yellow	P	U MPO F	U MPO F	-A028- Polarity A	M Meters	1 1
	7BW G.657A1	FB 24	C Aqua		V MPO M	V MPO M	-B028- Polarity B	F Feet	2 2
							-C028- Polarity C		XX Specify

### SINGLE FIBER PRETERMS

Code	Fiber Type	Fiber Count	Color	Grade	End A	End B	Polarity	Unit	Length
T	4BW OM4	BB 12	9 Yellow	P	A LC	A LC	-0005- 900um Simplex Stagger	M Meters	1 1
	7BW G.657A1	FB 24	C Aqua		B LCA	B LCA	-0001- 2mm Simplex Stagger	F Feet	2 2
					C LC Uniboot	C LC Uniboot	-0007- 2mm Uniboot Stagger		XX Specify
					D SC	D SC	-0048- 2mm LC Reversible Uniboot Stagger		
					E SCA	E SCA			

### MPO FANOUTS

Code	Fiber Type	Fiber Count	Color	Grade	End A	End B	Polarity	Tails	Unit	Length
M	4BW OM4	BB 12	9 Yellow	P	U MPO F	U MPO F	-A Polarity A	028- MPO Tails	M Meters	1 1
	7BW G.657A1	FB 24	C Aqua		V MPO M	C LC Uniboot	-B Polarity B	034- MPO to Simplex Stagger	F Feet	2 2
							-C Polarity C	050- MPO to LC Uniboot Stagger		XX Specify
							-L Fanout 1 to A (Crossed)	091- MPO to LC Reversible Uniboot Stagger		
							-M Fanout 1 to B (default)			

## Legacy ordering information

### MPO Trunks

- MP	Fiber Count	Connector End A	Connector End B *If end B differs from end A	Fiber Type	Cable Construction	Cable Length	Jacket Type	Polarity	MPO Brand
PRE	12 12	MPF MPO (F) Prem	MPF MPO (F) Perm	7A1 G657A1	DLTR Loose Tube Ruggedized (2/3mm tails)	1 1 meter	B LSZH B2ca	A Polarity A	Leave Blank MPO
	24 24	MPM MPO (M) Prem	MPM MPO (M) Perm	OM4 OM4		2 2 meter		B Polarity B	-US MTP
						xx Specify		C Polarity c	

### Single Fiber Preterms

	Fiber Count	Connector End A	Connector End B *If end B differs from end A	Fiber Type	Cable Construction	Cable Length	Jacket Type	/P
PRE	12 12	LC LC	LC LC	7A1 G657A1	DLT Loose Tube (900um tails)	1 1 meter	B LSZH B2ca	/P Premium

	24	24	LCA	LC APC	LCA	LC APC	OM4	OM4	DLTR	Loose Tube Ruggedized (2/3mm tails)	2	2 meter				
			SC	SC	SC	SC					xx	Specify				
			SCA	SC APC	SCA	SC APC										
			LCU	LC Uniboot	LCU	LC Uniboot										
			LCR	LC Pol Rev	LCR	LC Pol Rev										

### MPO Fanouts

-MP	Fiber Count		Connector End A		Connector End B *If end B differs from end A		Fiber Type		Cable Construction		Cable Length		Jacket Type		Polarity		MPO Brand		/P	
	PRE	12	12	MPF	MPO (F) Prem	MPF	MPO (F) Prem	7A1	G657A1	DLTR	Loose Tube Ruggedized (2/3mm tails)	1	1 meter	B	LSZH B2ca	A	Polarity A	Leave Blank	MPO	/P
	24	24	LCU	LC Uniboot	LCU	LC Uniboot	OM4	OM4			2	2 meter			B	Polarity B	-US	MTP		
			LCR	LC Pol Rev	LCR	LC Pol Rev					xx	Specify			C	Polarity c				

### Example Part Number

PRE	24	MPF	LCU	OM4	DLTR	5	B	A		/P
-----	----	-----	-----	-----	------	---	---	---	--	----

PRE24MPFLCOM4DLTR5B/P - Trunk 24F MPO Premium (F)-LC Uniboot OM4 Loose Tube Ruggedized LSZH 5 meter Polarity A