



Sub-unitized Premise MicroCore® Cable Assemblies

Sub-unitized Premise Microcore cable assemblies provide high performance for Premise installations where space is a premium. The small diameter, sub-unitized design offers twelve 250µm colored fibers per tube, with aramid strength members enclosed by a PVC jacket, enabling high density architecture. The cable allows quick and efficient termination of MTP connectors, as well as, breakout capability to single fiber connectors.

Features

- Sub-unitized design, with (12) 250µm colored fibers per tube
- 12, 24, and 72 fiber counts (SM or 50µm LOMMF) with active part numbers
- Small diameter provides superior bend performance
- Standard 2.0mm zipcord furcation for single fiber connectors
- One meter standard breakout
- Cable jackets & connector housings color-coded for easy identification
- Sub-unit legs identified for ease of channel routing/traceability
- Cable tested to meet or exceed EIA/TIA 568-A/GR-409-CORE
- Telcordia GR-326 compliant connectors

Applications

- Data center systems wiring
- MTP-MTP or MTP-Fanouts, and Single Fiber Connector Terminations
- Head-end termination to a fiber “backbone”
- Termination of fiber rack systems
- Multi-floor deployment where select fibers are used at each floor
- Intrabuilding “backbones”

Specifications

PARAMETER	SINGLEMODE ASSEMBLIES					MULTI-MODE ASSEMBLIES		
	LC		SC		MTP	LC	SC	MTP (LOW LOSS)
	ULTRA	ANGLED	ULTRA	ANGLED	ANGLED			
Insertion Loss (Typical dB)***	0.15	0.15	0.15	0.15	0.35	0.15	0.15	0.15
Insertion Loss (Maximum dB)	0.3	0.3	0.3	0.3	0.75	0.5	0.5	0.2
Return Loss (Typical dB)***	-60	-70	-60	-70	-65	-35	-35	-30
Return Loss (Minimum dB)	-55	-65	-55	-65	-55	-30	-30	-20
Temperature Range (°C)	-40 to +85	-40 to +85	-40 to +85	-40 to +85	-40 to +75	-40 to +85	-40 to +85	-40 to +75
Durability Cycles	500	500	500	500	200	500	500	200

*** Typical values based on equal quality connectors.

Ordering Information – MTP-MTP Assemblies

(Female MTPs on both ends – no pins)
(Polarity: Key Up/Key Up, Straight Through)

FIBER COUNT	FIBER	PULLING EYE	AFL PART#
12	Singlemode	No	CS009980-XXXX
12	Singlemode	Yes	CS009981-XXXX
24	Singlemode	No	CS009984-XXXX
24	Singlemode	Yes	CS009985-XXXX
72	Singlemode	No	CS009996-XXXX
72	Singlemode	Yes	CS009997-XXXX
12	50um 10gig 300 (OM3)	No	CS010013-XXXX
12	50um 10gig 300 (OM3)	Yes	CS010014-XXXX
24	50um 10gig 300 (OM3)	No	CS003700-XXXX
24	50um 10gig 300 (OM3)	Yes	CS010015-XXXX
72	50um 10gig 300 (OM3)	No	CS003720-XXXX
72	50um 10gig 300 (OM3)	Yes	CS010016-XXXX
12	50um 10gig 550 (OM4)	No	CS010064-XXXX
12	50um 10gig 550 (OM4)	Yes	CS010065-XXXX
24	50um 10gig 550 (OM4)	No	CS010100-XXXX
24	50um 10gig 550 (OM4)	Yes	CS010066-XXXX
72	50um 10gig 550 (OM4)	No	CS010101-XXXX
72	50um 10gig 550 (OM4)	Yes	CS010067-XXXX

NOTE: XXXX is length in meters.

Contact AFL Customer Service for additional polarity schemes available.

Ordering Information continued →

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Ordering Information – MTP Fanout Assemblies (Male MTPs - Duplex Connectors)

FIBER COUNT	FIBER	PULLING EYE	AFL PART#	
			MALE MTP-LC DUPLEX	MALE MTP-SC DUPLEX
12	Singlemode	No	CS009521-XXXX	CS010020-XXXX
12	Singlemode	Yes	CS0010017-XXXX	CS010021-XXXX
24	Singlemode	No	CS003796-XXXX	CS010022-XXXX
24	Singlemode	Yes	CS010018-XXXX	CS010023-XXXX
72	Singlemode	No	CS003811-XXXX	CS010024-XXXX
72	Singlemode	Yes	CS010019-XXXX	CS010025-XXXX
12	50um 10gig 300 (OM3)	No	CS010026-XXXX	CS010030-XXXX
12	50um 10gig 300 (OM3)	Yes	CS010027-XXXX	CS010031-XXXX
24	50um 10gig 300 (OM3)	No	CS003795-XXXX	CS010032-XXXX
24	50um 10gig 300 (OM3)	Yes	CS010028-XXXX	CS010033-XXXX
72	50um 10gig 300 (OM3)	No	CS003810-XXXX	CS010034-XXXX
72	50um 10gig 300 (OM3)	Yes	CS010029-XXXX	CS010035-XXXX
12	50um 10gig 550 (OM4)	No	CS009519-XXXX	CS010073-XXXX
12	50um 10gig 550 (OM4)	Yes	CS010068-XXXX	CS010074-XXXX
24	50um 10gig 550 (OM4)	No	CS010069-XXXX	CS010075-XXXX
24	50um 10gig 550 (OM4)	Yes	CS010070-XXXX	CS010076-XXXX
72	50um 10gig 550 (OM4)	No	CS010071-XXXX	CS010077-XXXX
72	50um 10gig 550 (OM4)	Yes	CS010072-XXXX	CS010078-XXXX



Ordering Information – LC and SC Trunk Assemblies (Duplex LC and SC Connectors)

FIBER COUNT	FIBER	PULLING EYE	AFL PART #		
			LC DUPLEX-LC DUPLEX	LC DUPLEX-SC DUPLEX	SC DUPLEX-SC DUPLEX
12	Singlemode	No	CS010036-XXXX	CS010038-XXXX	CS010042-XXXX
12	Singlemode	Yes	CS010037-XXXX	CS010039-XXXX	CS010043-XXXX
24	Singlemode	No	CS004602-XXXX	CS007203-XXXX	CS007201-XXXX
24	Singlemode	Yes	CS004603-XXXX	CS007204-XXXX	CS007202-XXXX
72	Singlemode	No	CS004618-XXXX	CS010040-XXXX	CS010044-XXXX
72	Singlemode	Yes	CS004619-XXXX	CS010041-XXXX	CS010045-XXXX
12	50um 10gig 300 (OM3)	No	CS010046-XXXX	CS010048-XXXX	CS010052-XXXX
12	50um 10gig 300 (OM3)	Yes	CS010047-XXXX	CS010049-XXXX	CS010053-XXXX
24	50um 10gig 300 (OM3)	No	CS004608-XXXX	CS007221-XXXX	CS007219-XXXX
24	50um 10gig 300 (OM3)	Yes	CS004609-XXXX	CS007222-XXXX	CS007220-XXXX
72	50um 10gig 300 (OM3)	No	CS004624-XXXX	CS010050-XXXX	CS010054-XXXX
72	50um 10gig 300 (OM3)	Yes	CS004625-XXXX	CS010051-XXXX	CS010055-XXXX
12	50um 10gig 550 (OM4)	No	CS010079-XXXX	CS010085-XXXX	CS010091-XXXX
12	50um 10gig 550 (OM4)	Yes	CS010080-XXXX	CS010086-XXXX	CS010092-XXXX
24	50um 10gig 550 (OM4)	No	CS010081-XXXX	CS010087-XXXX	CS010093-XXXX
24	50um 10gig 550 (OM4)	Yes	CS010082-XXXX	CS010088-XXXX	CS010094-XXXX
72	50um 10gig 550 (OM4)	No	CS010083-XXXX	CS010089-XXXX	CS010095-XXXX
72	50um 10gig 550 (OM4)	Yes	CS010084-XXXX	CS010090-XXXX	CS010096-XXXX

NOTE: XXXX is length in meters.