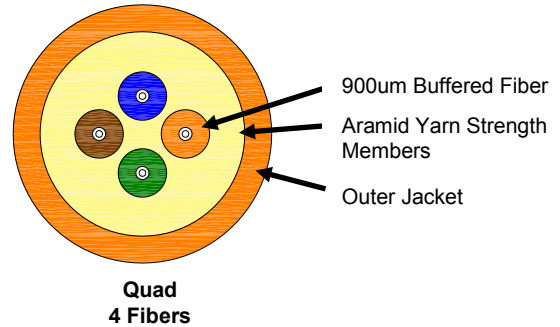
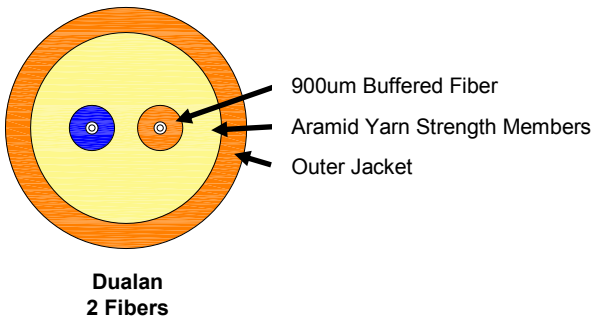
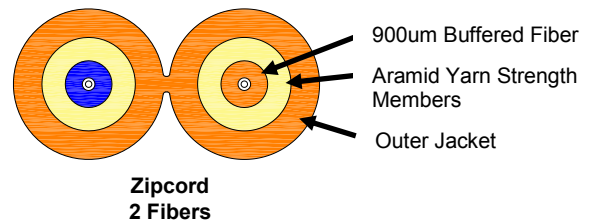


Fiber Optic Interconnect Cables



Description:

CS Connectivity simplex and zipcord interconnect cables are designed for use in jumpers and pigtails. Dual fiber and quad fiber interconnect cables are designed for use in jumpers, pigtails and as horizontal cables. They are all-dielectric and consist of 900µm tight-buffered optical fiber(s) surrounded by aramid yarn strength members and a PVC outer jacket. The cables are available in either Riser or Plenum with Single-mode OS2, 62.5/125µm OM1, 50/125µm OM2, 50/125µm OM3, or 50/125µm OM4 fiber. All fiber types other than OM1 are bend insensitive.

Standards Compliance:

CS Connectivity cables are designed and tested to conform to the fiber and cable performance requirements of TIA 568, ISO 11801, Telcordia GR-409-CORE and ICEA-596 Standards. All cables have UL or ETL fire safety listings to either OFNR (UL-1666/CSA FT4) or OFNP (NFPA-262/UL 910/CSA FT6).

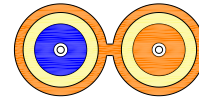
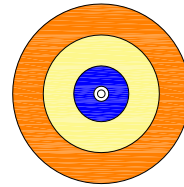
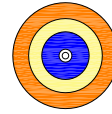
Cable Print:

Cables will be marked every two feet with:

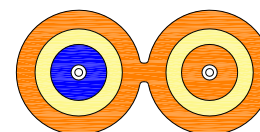
CS CONNECTIVITY < cable type > < fiber type > MM/YY SO< shop order number > XXXXX FEET

Simplex and Zipcord Part Numbers:

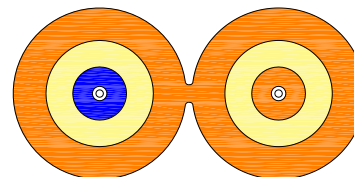
Fiber Count	Cable Type	Flame Rating	Fiber Type	Jacket Color	Part Number
1	2.0mm Simplex	Riser	62.5/125 OM1	Orange	1-1553406-1
			50/125 OM2	Orange	1-1553406-2
			50/125 OM3	Aqua	3-1553406-9
			50/125 OM4	Aqua	4-1553406-9
			Single-mode OS2	Yellow	7-1553406-3
		Plenum	62.5/125 OM1	Orange	1-1553407-1
			50/125 OM2	Orange	1-1553407-2
			50/125 OM3	Aqua	3-1553407-9
			50/125 OM4	Aqua	4-1553407-9
			Single-mode OS2	Yellow	7-1553407-3
1	2.9mm Simplex	Riser	62.5/125 OM1	Orange	1-1553408-1
			50/125 OM2	Orange	1-1553408-2
			50/125 OM3	Aqua	3-1553408-9
			50/125 OM4	Aqua	4-1553408-9
			Single-mode OS2	Yellow	7-1553408-3
		Plenum	62.5/125 OM1	Orange	1-1553409-1
			50/125 OM2	Orange	1-1553409-2
			50/125 OM3	Aqua	3-1553409-9
			50/125 OM4	Aqua	4-1553409-9
			Single-mode OS2	Yellow	7-1553409-3
2	1.6mm Zipcord	Plenum	62.5/125 OM1	Orange	1-2193013-1
			50/125 OM2	Orange	1-2193013-2
			50/125 OM3	Aqua	3-2193013-9
			50/125 OM4	Aqua	4-2193013-9
			Single-mode OS2	Yellow	7-2193013-3



Fiber Count	Cable Type	Flame Rating	Fiber Type	Jacket Color	Part Number	
2	Riser		62.5/125 OM1	Orange	1-1553410-1	
			50/125 OM2	Orange	1-1553410-2	
			50/125 OM3	Aqua	3-1553410-9	
			50/125 OM4	Aqua	4-1553410-9	
			Single-mode OS2	Yellow	7-1553410-3	
			62.5/125 OM1		Orange	1-1553411-1
					Blue	1553411-1
					Green	2-1553411-1
					Brown	3-1553411-1
					Slate	4-1553411-1
	Red	5-1553411-1				
	Black	6-1553411-1				
	Yellow	7-1553411-1				
	Violet	8-1553411-1				
	Rose	9-1553411-1				
	50/125 OM2		Aqua	1553411-9		
			Orange	1-1553411-2		
			Blue	1553411-2		
			Green	2-1553411-2		
			Brown	3-1553411-2		
			Slate	4-1553411-2		
			White	1-1553411-8		
			Red	5-1553411-2		
			Black	6-1553411-2		
			Yellow	7-1553411-2		
	2.0mm Zipcord	Plenum	50/125 OM3	Violet	8-1553411-2	
			Rose	9-1553411-2		
Aqua			1-1553411-9			
Aqua			3-1553411-9			
Blue			1553411-4			
Orange			1-1553411-4			
Green			2-1553411-4			
Brown			3-1553411-4			
Slate			4-1553411-4			
Red			5-1553411-4			
Black	6-1553411-4					
Yellow	7-1553411-4					
Violet	8-1553411-4					
Rose	9-1553411-4					
50/125 OM4		Aqua	4-1553411-9			
		Blue	1553411-5			
		Orange	1-1553411-5			
		Green	2-1553411-5			
		Brown	3-1553411-5			
		Slate	4-1553411-5			
		Red	5-1553411-5			
		Black	6-1553411-5			
		Yellow	7-1553411-5			
		Violet	8-1553411-5			
Rose	9-1553411-5					
Single-mode OS2		Yellow	7-1553411-3			
		Blue	1553411-3			
		Orange	1-1553411-3			
		Green	2-1553411-3			
		Brown	3-1553411-3			
		Slate	4-1553411-3			
		Red	5-1553411-3			
		Black	6-1553411-3			
		Violet	8-1553411-3			
		Rose	9-1553411-3			
Aqua	2-1553411-9					

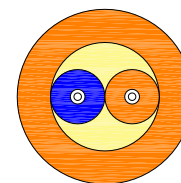


Fiber Count	Cable Type	Flame Rating	Fiber Type	Jacket Color	Part Number
2	2.9mm Zipcord	Riser	62.5/125 OM1	Orange	1-1553412-1
			50/125 OM2	Orange	1-1553412-2
			50/125 OM3	Aqua	3-1553412-9
			50/125 OM4	Aqua	4-1553412-9
			Single-mode OS2	Yellow	7-1553412-3
			62.5/125 OM1	Orange	1-1553413-1
		Plenum	50/125 OM2	Orange	1-1553413-2
			50/125 OM3	Aqua	3-1553413-9
			50/125 OM4	Aqua	4-1553413-9
			Single-mode OS2	Yellow	7-1553413-3

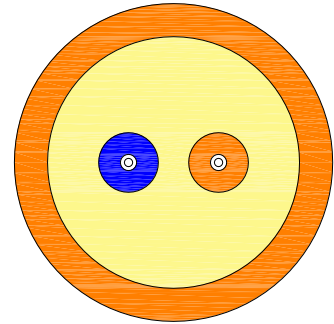


Dualan Part Numbers:

Fiber Count	Cable Type	Flame Rating	Fiber Type	Jacket Color	Part Number	
2	2.9mm Dualan	Riser	62.5/125 OM1	Orange	1-1553414-1	
			50/125 OM2	Orange	1-1553414-2	
			50/125 OM3	Aqua	3-1553414-9	
			50/125 OM4	Aqua	4-1553414-9	
			Single-mode OS2	Yellow	7-1553414-3	
			Plenum	Orange	1-1553415-1	
				Blue	1553415-1	
				Green	2-1553415-1	
				62.5/125 OM1	Slate	4-1553415-1
				Red	5-1553415-1	
				Black	6-1553415-1	
				Yellow	7-1553415-1	
				50/125 OM2	Orange	1-1553415-2
				Aqua	3-1553415-9	
				Blue	1553415-4	
		Green		2-1553415-4		
		White		3-1553415-8		
		50/125 OM3		Red	5-1553415-4	
		Black		6-1553415-4		
		Yellow		7-1553415-4		
		Violet	8-1553415-4			
		Rose	9-1553415-4			
		50/125 OM4	Aqua	4-1553415-9		
		Single-mode OS2	Yellow	7-1553415-3		

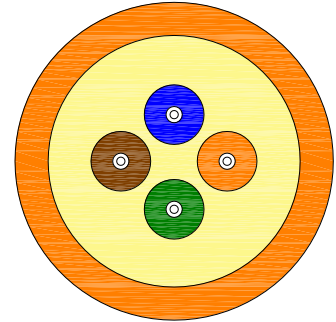


Fiber Count	Cable Type	Flame Rating	Fiber Type	Jacket Color	Part Number	
2	4.8mm Dualan	Riser	62.5/125 OM1	Orange	1-1553416-1	
				Blue	1553416-1	
				Green	2-1553416-1	
				Red	5-1553416-1	
				Yellow	7-1553416-1	
			50/125 OM2	Orange	1-1553416-2	
				Blue	1553416-2	
				Green	2-1553416-2	
				Red	5-1553416-2	
				Yellow	7-1553416-2	
			50/125 OM3	Aqua	3-1553416-9	
			50/125 OM4	Aqua	4-1553416-9	
			Single-mode OS2	Yellow	7-1553416-3	
				Orange	1-1553416-3	
			Plenum	62.5/125 OM1	Orange	1-1553417-1
					Blue	1553417-1
		Green			2-1553417-1	
		Slate			4-1553417-1	
		Red			5-1553417-1	
		50/125 OM2		Yellow	7-1553417-1	
				Orange	1-1553417-2	
				Blue	1553417-2	
				Green	2-1553417-2	
				Brown	3-1553417-2	
		50/125 OM3		Slate	4-1553417-2	
				White	1-1553417-8	
				Red	5-1553417-2	
				Black	6-1553417-2	
				Yellow	7-1553417-2	
				Violet	8-1553417-2	
		50/125 OM4	Rose	9-1553417-2		
			Aqua	1-1553417-9		
Aqua	3-1553417-9					
Blue	1553417-4					
Orange	1-1553417-4					
Green	2-1553417-4					
Slate	4-1553417-4					
White	3-1553417-8					
Red	5-1553417-4					
Black	6-1553417-4					
Single-mode OS2	Yellow	7-1553417-4				
	Violet	8-1553417-4				
	Rose	9-1553417-4				
	Aqua	4-1553417-9				
	Blue	1553417-5				
Single-mode OS2	Green	2-1553417-5				
	Red	5-1553417-5				
Single-mode OS2	Yellow	7-1553417-3				



Quad Part Numbers:

Fiber Count	Cable Type	Flame Rating	Fiber Type	Jacket Color	Part Number
4	4.8mm Quad	Riser	62.5/125 OM1	Orange	1-1553418-1
				Blue	1553418-1
				Green	2-1553418-1
				Red	5-1553418-1
				Yellow	7-1553418-1
				Orange	1-1553418-2
				Blue	1553418-2
			50/125 OM2	Green	2-1553418-2
				Red	5-1553418-2
				Yellow	7-1553418-2
			50/125 OM3	Aqua	3-1553418-9
			50/125 OM4	Aqua	4-1553418-9
			Single-mode OS2	Yellow	7-1553418-3
			Plenum	62.5/125 OM1	Orange
		Blue			1553419-1
		Green			2-1553419-1
		Red			5-1553419-1
		Black			6-1553419-1
		Yellow			7-1553419-1
		50/125 OM2			Orange
				Blue	1553419-2
Green	2-1553419-2				
Red	5-1553419-2				
Yellow	7-1553419-2				
50/125 OM3	Aqua	3-1553419-9			
	Orange	1-1553419-4			
	Red	5-1553419-4			
50/125 OM4	Aqua	4-1553419-9			
	Black	6-1553419-5			
Single-mode OS2	Yellow	7-1553419-3			



Mechanical Specifications:

Cable Construction	Flame Rating	O.D. mm (in)	Minimum Bend Radius		Nominal Weight kg/km (lbs/1000ft)	Rated Tensile Load	
			Install mm (in)	Long Term mm (in)		Install N (lbf)	Long Term N (lbf)
2.0mm Simplex	OFNR	2.0±0.15 (0.08±.01)	50 (1.97)	25 (0.98)	5 (3)	40 (9)	12 (3)
	OFNP	2.0±0.15 (0.08±.01)	50 (1.97)	25 (0.98)	6 (4)	40 (9)	12 (3)
2.9mm Simplex	OFNR	2.9±0.15 (0.11±.01)	58 (2.3)	29 (1.1)	8 (5)	100 (22)	30 (7)
	OFNP	2.9±0.15 (0.11±.01)	58 (2.3)	29 (1.1)	9 (6)	100 (22)	30 (7)
1.6mm Zipcord	OFNP	1.6+0.20/-0.10 x 3.375±0.375 (0.06+0.007/-0.004 x 0.13±.015)	50 (1.97)	25 (0.98)	6 (4)	40 (9)	12 (3)
2.0mm Zipcord	OFNR	2.0±0.15 x 4.1±0.3 (0.08+.01/- x 0.16±.01)	50 (1.97)	25 (0.98)	8 (5)	40 (9)	12 (3)
	OFNP	2.0±0.15 x 4.1±0.3 (0.08±.01 x 0.16±.01)	50 (1.97)	25 (0.98)	10 (7)	40 (9)	12 (3)
2.9mm Zipcord	OFNR	2.9±0.15 x 5.9±0.3 (0.11±.01 x 0.23±.01)	58 (2.3)	29 (1.1)	15 (10)	100 (22)	30 (7)
	OFNP	2.9±0.15 x 5.9±0.3 (0.11±.01 x 0.23±.01)	58 (2.3)	29 (1.1)	15 (10)	100 (22)	30 (7)
2.9mm Dualan	OFNR	2.9±0.2 (0.11±.01)	57 (2.2)	29 (1.1)	7 (5)	100 (22)	30 (7)
	OFNP	2.9±0.2 (0.11±.01)	57 (2.2)	29 (1.1)	9 (6)	100 (22)	30 (7)
4.8mm Dualan	OFNR	4.8±0.25 (0.19±.01)	96 (3.8)	48 (1.9)	20 (13)	100 (22)	30 (7)
	OFNP	4.8±0.25 (0.19±.01)	96 (3.8)	48 (1.9)	30 (20)	100 (22)	30 (7)
4.8mm Quad	OFNR	4.8±0.25 (0.19±.01)	96 (3.8)	48 (1.9)	25 (17)	100 (22)	30 (7)
	OFNP	4.8±0.25 (0.19±.01)	96 (3.8)	48 (1.9)	30 (20)	100 (22)	30 (7)

Performance Characteristics:

	62.5/125 µm OM1 (850nm/1300nm)	Bend Insensitive 50/125 µm OM2 (850nm/1300nm)	Bend Insensitive OM3 (850nm/1300nm)	Bend Insensitive OM4 (850nm/1300nm)	Bend Insensitive Single-mode OS2 (1310nm/1550nm)
Maximum Cable Attenuation	3.5/1.2 dB/km	3.5/1.5 dB/km	3.0/1.0 dB/km	3.0/1.0 dB/km	0.4/0.3dB/km
OFL Bandwidth	200/500 MHz·km	500/500 MHz·km	1500/500 MHz·km	3500/500 MHz·km	Not Applicable
850nm Effective Modal Bandwidth	Not Applicable	Not Applicable	2000 MHz·km	4700 MHz·km	Not Applicable
10 Gigabit Ethernet at 850nm Maximum Distance	33m	82m	300m	550m	Not Applicable
Fiber Specification	TIA-492AAAA IEC 60793-2-10 A1b	TIA-492AAAB IEC 60793-2-10 A1a.1	TIA-492AAAC IEC 60793-2-10 A1a.2	TIA-492AAAD IEC 60793-2-10 A1a.3	ITU-T G.657.A2

Temperature Ratings:

UL/NEC Rating	Installation	Operation	Storage/Shipping
Plenum (OFNP)	0°C to +60°C (+32°F to +140°F)	0°C to +70°C (+32°F to +158°F)	-40°C to +70°C (-40°F to +158°F)
Riser (OFNR)	-10°C to +60°C (14°F to +140°F)		