

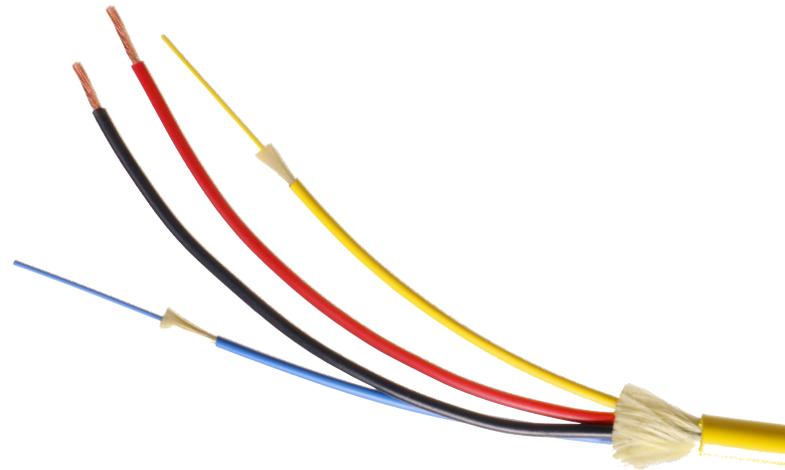
SLIMLINE PLENUM HYBRID CABLES

OFFERING THE ROBUST PROTECTION
YOU EXPECT FROM OCC

These small diameter hybrid cables are thinner, lighter, and more flexible than other hybrid cables on the market. Perfect for Passive Optical LAN installations, the Hybrid Slimline-Plenum can also offer additional protection in high traffic indoor applications.

APPLICATIONS:

- > Specifically designed for Passive Optical LAN installations that utilize a centralized power supply to power end terminals (ONTs).
- > Two copper wires provide power from a centralized power supply to POL ONTs while single-mode fiber optic elements provide bi-directional data paths through the cable.
- > One single-mode fiber required for POL use; two single-mode fibers allow redundant paths or an in-situ spare fiber.
- > Hybrid fiber/copper cables are intended for use on Class 2 power-limited circuits as described in Article 725 of the National Electrical Code.



CABLE CONSTRUCTION:

- > Each cable consists of individual insulated copper conductors and optical fibers located in a radially symmetrical pattern.
- > Cables also include aramid yarn for installation tensile loading.
- > The indoor plenum jacket is tubed-on to allow for easy removal of the jacket during termination without the need for a ripcord.
- > Cables include two copper (red/black) conductors and choice of 1- or 2-fibers.

FEATURES & BENEFITS:

- > Various combinations of copper conductors and optical fibers in a single hybrid cable.
- > Plenum-rated construction, perfect for use above suspended ceilings in offices and hotels.
- > 16, 18, 20, or 22 AWG wires available. Class-2 power limited, 300V rated wire insulation.
- > Ultra-Fox™ tight buffered fiber.
- > All single-mode fiber types available: G.652.D (SLX), G.657.A1 (SLA), G.657.A2 (SLB), and G.657.B3 (SLC).
- > Choice of 900µm buffered fibers or 900µm buffered fibers inside 2.0mm subunits. The subunits contain aramid yarn for a more robust strain relief when terminating the fiber into a connector and provide added protection in high traffic indoor applications.



HYBRID SLIMLINE-PLENUM PHYSICAL PROPERTIES

	WEIGHT KG/KM (LB/1000')	O.D MM (IN)	MIN BEND RADIUS CM (IN)	TENSILE LOAD N (LB)
2 16 AWG, 900µm	55.8 (37.4)	6.0 (0.24)	6.0 (2.4)	311 (70)
2 18 AWG, 900µm	48.9 (32.8)	6.0 (0.24)	6.0 (2.4)	311 (70)
2 20 AWG, 900µm	41.9 (28.1)	5.5 (0.22)	5.5 (2.4)	311 (70)
2 22 AWG, 900µm	35.0 (23.5)	4.6 (0.18)	4.6 (1.8)	311 (70)
2 16 AWG, 2.0mm SU	57.5 (38.6)	6.7 (0.26)	6.7 (2.6)	311 (70)
2 18 AWG, 2.0mm SU	50.6 (33.9)	5.9 (0.23)	5.9 (2.3)	311 (70)
2 20 AWG, 2.0mm SU	43.6 (29.4)	5.9 (0.23)	5.9 (2.3)	311 (70)
2 22 AWG, 2.0mm SU	36.7 (24.6)	5.5 (0.22)	5.5 (2.2)	311 (70)

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	0°C to +70°C
Storage Temperature	-40°C to +70°C
Crush Resistance	500 N/cm
Impact Resistance	400 impacts
Meets or exceeds ICEA S-83-596 Standard for Indoor Optical Fiber Cables	
Meets or exceeds ICEA S-120-742 Standard for Hybrid Optical Fiber and Power Cable	

ORDERING INFORMATION

DIGIT NO:	C		O	O		S	P			9	Y	P
1-2	1	2	3	4	5	6	7	8	9	10	11	12
	Hybrid cable with 900µm buffered fibers = CA											
	Hybrid cable with 2.0mm subunits = CE											
	Component Count = 003 or 004											
	Jacket Type: Indoor only plenum = S											
	Component Code (See Table Below)											
	Ultra-Fox Fiber with 900µm tight buffer = 9											
	Standard jacket color: Yellow = Y											
	Rating: Plenum = P											

COMPONENT CODES

- > First character will always be P (denotes Slimline)
- > Second character will denote the wire size: D = 16 AWG, C = 18 AWG, B = 20 AWG, A = 22 AWG
- > Third character will denote the single-mode fiber type: A = SLA (G.657.A1), B = SLB (G.657.A2), C = SLC (G.657.B3), X = SLX (G.652.D)

Indoor Plenum Cable with 2x SLA fibers in 2.0mm subunits and 2x 18 AWG wires:

EXAMPLE C E O O 4 S P C A 9 Y P

Indoor Plenum Cable with 1x SLC fiber, no subunit, and 2x 22 AWG wires:

EXAMPLE C A O O 3 S P A C 9 Y P

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