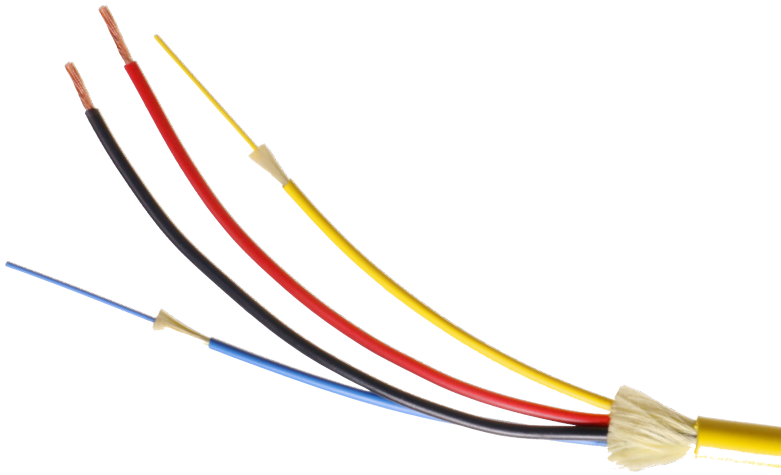
SLIMLINE RISER INDOOR/ OUTDOOR PLTC HYBRID

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, security cameras, and wireless access points, the Slimline Hybrid offers the convenience of remote power and the data rates of fiber optics all in one cable that can be installed indoors, outdoors, and in cable trays.

APPLICATIONS:

- Specifically designed for indoor/outdoor installations that utilize a centralized power supply to remoted power end devices, thus eliminating the need to provide local AC power to each location.
- Two copper wires provide power from a centralized power supply to end devices while fiber optic elements provide bi-directional data paths through the cable.
- Hybrid fiber/copper cables are designed for use in wet locations on Class 3 power-limited circuits and Power Limited Tray Cable (PLTC) circuits as described in Article 725 of the National Electrical Code.
- Allows remote power over distances greater than the 100m limitation of traditional Power Over Ethernet (PoE).

CABLE CONSTRUCTION:

- Includes ripcord for easy outer jacket removal.
- Cables also include aramid yarn for installation tensile loading.
- Each cable consists of individual insulated copper conductors and optical fibers located in a radially symmetrical pattern.
- Sunlight resistant outer jacket.
- Optional Aluminum interlocking armor (ILA) provides additional cable protection and installation efficiencies where conduits are required.
- Cables include two copper (red/black) conductors and choice of 1- or 2-fibers.

FEATURES & BENEFITS:

- Copper conductors and optical fibers in a single hybrid cable.
- Riser-rated construction is also PLTC rated, perfect for use in offices and industrial settings.
- PLTC rating allows cable to be installed in cable trays.
- 12, 14, 16, 18, 20, or 22 AWG wires available. Class-3 power limited, 300V rated wire insulation.
- Cables made with OCC's single-mode or multimode fiber types.
- Choice of 900µm buffered fibers or 900µm buffered fibers inside 2.0mm sub-units. The sub-units contain aramid yarn for a more robust strain relief when terminating the fiber into a connector and provide added protection in outdoor applications.
- Ultra-Fox™ tight buffered fiber.

CONTACT YOUR OCC REPRESENTATIVE AT 1-800-622-7711 FOR ORDERING INFORMATION. WE'RE READY TO ASSIST YOU.

Connections You Can Count On.®

HYBRID SLIMLINE-RISER PHYSICAL PROPERTIES

	WEIGHT KG/KM (LB/1000')	O.D MM (IN)	MIN BEND RADIUS		TENSILE LOAD	
			INSTALLATION CM (IN)	LONGER TERM CM (IN)	INSTALLATION N (LB)	OPERATIONAL N (LB)
2x12 AWG, 900µm	116 (78)	9.1 (0.36)	18.2 (7.2)	9.1 (3.6)	707 (159)	212 (48)
2x14 AWG, 900µm	87 (58)	8.1 (0.32)	16.2 (6.4)	8.1 (3.2)	507 (114)	152 (34)
2x16 AWG, 900µm	64 (43)	7.2 (0.28)	14.4 (5.7)	7.2 (2.8)	355 (80)	107 (24)
2x18 AWG, 900µm	51 (34)	6.7 (0.26)	13.4 (5.3)	6.7 (2.6)	321 (72)	96 (22)
2x20 AWG, 900µm	47 (32)	6.5 (0.26)	13.0 (5.1)	6.5 (2.6)	316 (71)	95 (21)
2x22 AWG, 900µm	40 (27)	6.1 (0.24)	12.2 (4.8)	6.1 (2.4)	316 (71)	95 (21)
2x12 AWG, 2.0mm	121 (81)	9.3 (0.37)	18.6 (7.3)	9.3 (3.7)	715 (161)	215 (48)
2x14 AWG, 2.0mm	92 (62)	8.5 (0.33)	17.0 (6.7)	8.5 (3.3)	514 (116)	154 (35)
2x16 AWG, 2.0mm	71 (48)	7.8 (0.31)	15.6 (6.1)	7.8 (3.1)	363 (82)	109 (24)
2x18 AWG, 2.0mm	58 (39)	7.4 (0.29)	14.8 (5.8)	7.4 (2.9)	329 (74)	99 (22)
2x20 AWG, 2.0mm	55 (37)	7.3 (0.29)	14.6 (5.7)	7.3 (2.9)	324 (73)	97 (22)
2x22 AWG, 2.0mm	49 (33)	7.1 (0.28)	14.2 (5.6)	7.1 (2.8)	324 (73)	97 (22)

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Crush Resistance	1800 N/cm
Impact Resistance	2000 impacts
Meets or exceeds ICEA S-104-696 Standard for Indoor/Outdoor Optical Fiber Cables	
Meets or exceeds ICEA S-120-742 Standard for Hybrid Optical Fiber and Power Cable	
UL-13, UL-444, UL-1666, NEC-725, NEC-800	

ORDERING INFORMATION

	C		0	0		D	P			9		R
DIGIT NO:	1	2	3	4	5	6	7	8	9	10	11	12

1-2	Hybrid Cable with 900µm Buffered Fibers = CA Hybrid cable with 2.0mm subunits = CE
3-5	Component Count = 003 or 004
6	Jacket Type: Indoor/Oudoor Riser = D
7	Denotes Slimline Hybrid Powered Fiber Cable = P
8-9	Component Code (See Table Below)
10	Ultra-Fox Fiber with 900µm tight buffer = 9
11	Standard jacket color: Yellow = Y, Orange = O, Aqua = Q
12	Rating: Riser = R

COMPONENT CODES

> Digit 8 Denotes the Conductor Size: F = 12 AWG, E = 14 AWG, D = 16 AWG, C = 18 AWG, B = 20 AWG, A = 22 AWG

> Digit 9 Denote the Fiber Type, Single-Mode Types: A = SLA (G.657.A1), B = SLB (G.657.A2), C = SLC (G.657.B3), X = SLX (G.652.D); Multimode Types: E = ALE (50µm OM4), S = WLS (62.5µm OM1), T = ALT (50µm OM3)

Indoor/Outdoor Riser Cable with 2x G.657.A1 Single-Mode Fibers in 2.0mm subunits and 2x 16 AWG wires:

EXAMPLE:	C	E	0	0	4	D	P	D	A	9	Y	R

OCC ROANOKE, VA
Corporate Headquarters and Fiber Optic Cable Manufacturing Facility
5290 Concourse Drive
Roanoke, VA 24019 USA
540.265.0690 or **800.622.7711**

OCC DALLAS, TX
Harsh Environment and Specialty Connectivity Manufacturing Facility
1700 Capital Avenue, Suite 150
Plano, TX 75074 USA
972.509.1500 or **877.509.1500**

OCC ASHEVILLE, NC
Enterprise Connectivity Manufacturing Facility
33 Superior Way
Swannanoa, NC 28778 USA
828.298.2260 or **800.880.7674**

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