

## INDOOR / OUTDOOR FIBER OPTIC CABLE SINGLE MODE AND MULTIMODE FIBER , TIGHT BUFFERED TYPE OFNR , RISER RATED

### CONSTRUCTION:

**FIBER** TIGHT BUFFERED FIBER, COMPRISED OF TRANSMISSION CORE, REFLECTIVE CLADDING, AND PROTECTIVE OUTER COATING. APPROXIMATE DIAMETER OF FIBER IS 900µm. AVAILABLE IN SINGLE MODE FIBER AND MULTIMODE FIBER. (SEE TABLE BELOW)\*

**CENTRAL FILLER** GLASS EPOXY ROD IN CENTER OF CABLE FOR ROUNDNESS (OPTIONAL).

**OVERALL STRENGTH MEMBER** ARAMID (KEVLAR) FIBER/YARN ON OUTSIDE OF TIGHT BUFFERED FIBER ASSEMBLY.

**OUTER JACKET** UV-RESISTANT POLYVINYLCHLORIDE (PVC).

Charlotte Wire Part#	Number of Fibers	Number of Sub-Units	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW19100	2	None - Single Unit	.19"	15
CW19101	4	None - Single Unit	.20"	17
CW19102	6	None - Single Unit	.22"	21
CW19103	8	None - Single Unit	.24"	23
CW19104	10	None - Single Unit	.24"	25
CW19105	12	None - Single Unit	.26"	25
CW19106	18	None - Single Unit	.31"	33
CW19107	18	3 (6 Fibers per Sub-Unit)	.53"	103
CW19108	24	None - Single Unit	.35"	45
CW19109	24	4 (6 Fibers per Sub-Unit)	.53"	103
CW19110	36	6 (6 Fibers per Sub-Unit)	.66"	150
CW19111	48	4 (12 Fibers per Sub-Unit)	.66"	145
CW19112	60	5 (12 Fibers per Sub-Unit)	.74"	170
CW19113	72	6 (12 Fibers per Sub-Unit)	.77"	210
CW19114	84	7 (12 Fibers per Sub-Unit)	.82"	239
CW19115	96	8 (12 Fibers per Sub-Unit)	.92"	298
CW19116	120	10 (12 Fibers per Sub-Unit)	1.02"	310
CW19117	144	12 (12 Fibers per Sub-Unit)	1.02"	315

**\*Fiber Table** - Add corresponding suffix to Charlotte Wire Part Number

Single Mode Fiber (approx. 9µm core)	Add suffix "-SM" to part number.
Multimode Fiber (50µm core)	Add suffix "-50MM" to part number
Multimode Fiber (62.5µm core)	Add suffix "-62MM" to part number

**APPLICATION:** Suitable for interbuilding installation as well as between buildings with no need for a transition splice between indoors and outdoors. Tight buffered fibers provide for lighter weight, more flexibility, and easier termination and connection.

**Standards:**

NEC Article 770: Type OFNR.  
ICEA S-104-696: Optical Fiber Premises Distribution Cable.  
RoHS Compliant.