

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

CONSTRUCTION:

FIBER TIGHT BUFFERED FIBER, COMPRISED OF TRANSMISSION CORE, REFLECTIVE CLADDING, AND PROTECTIVE OUTER COATING. APPROXIMATE DIAMETER OF FIBER IS 900 MICRONS (μ). 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. 9 μ m core)	Add suffix "-SM" to part number
Multimode Fiber (50 μ m core)	Add suffix "-50MM" to part number
Multimode Fiber (62.5 μ m 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.