

INDOOR DISTRIBUTION FIBER OPTIC CABLE SINGLE MODE & MULTIMODE FIBER , TIGHT BUFFERED PLENUM RATED , TYPE OFNP

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 FLAME RETARDANT PLENUM RATED COLOR CODED COMPOUND. JACKET COLORS GENERALLY ARE: SINGLE MODE: YELLOW, 50 μ m MULTIMODE: AQUA, 62.5 μ m MULTIMODE: ORANGE.

Charlotte Wire Part#	Number of Fibers	Number of Sub-Units	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW19080	2	None - Single Unit	.19"	14
CW19081	4	None - Single Unit	.20"	16
CW19082	6	None - Single Unit	.20"	17
CW19083	8	None - Single Unit	.23"	23
CW19084	12	None - Single Unit	.24"	26
CW19085	18	None - Single Unit	.28"	33
CW19086	24	None - Single Unit	.31"	43
CW19087	36	6 (6 Fibers per Sub-Unit)	.65"	170
CW19088	48	4 (12 Fibers per Sub-Unit)	.65"	158
CW19089	60	5 (12 Fibers per Sub-Unit)	.70"	205
CW19090	72	6 (12 Fibers per Sub-Unit)	.76"	222
CW19091	96	8 (12 Fibers per Sub-Unit)	.90"	350
CW19092	120	10 (12 Fibers per Sub-Unit)	.98"	370
CW19093	144	12 (12 Fibers per Sub-Unit)	.98"	405

*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 intrabuilding backbone and horizontal installations in plenum, riser, and general purpose areas. Tight buffered fibers provide for lighter weight, more flexibility, and easier termination and connection.

Standards:

NEC Article 770: Type OFNP.

ICEA S-83-596: Optical Fiber Premises Distribution Cable.