

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

### CONSTRUCTION:

**FIBER** GLASS FIBER, COMPRISED OF TRANSMISSION CORE, AND REFLECTIVE CLADDING, IN SINGLE MODE FIBER AND MULTIMODE FIBER. (SEE TABLE BELOW)\*

**LOOSE TUBE** PLASTIC TUBE(S) FOR PROTECTION OF FIBERS.

**CENTRAL FILLER** GLASS EPOXY ROD IN CENTER OF CABLE FOR ROUNDNESS AND STRENGTH.

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

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

Charlotte Wire Part#	Number of Fibers	Number of Loose Tubes	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW19120	2	1	.40"	55
CW19121	4	1	.40"	55
CW19122	6	1	.40"	55
CW19123	8	1	.40"	55
CW19124	12	1	.40"	55
CW19125	18	2 (up to 12 Fibers per Tube)	.40"	55
CW19126	24	2 (12 Fibers per Tube)	.40"	55
CW19127	36	3 (12 Fibers per Tube)	.40"	55
CW19128	48	4 (12 Fibers per Tube)	.42"	65
CW19129	60	5 (12 Fibers per Tube)	.42"	65
CW19130	72	6 (12 Fibers per Tube)	.46"	76
CW19131	96	8 (12 Fibers per Tube)	.56"	108
CW19132	144	12 (12 Fibers per Tube)	.68"	170
CW19133	216	18 (12 Fibers per Tube)	.70"	165
CW19134	288	24 (12 Fibers per Tube)	.79"	206

**\*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. May be used in aerial, duct, and riser installations. Loose tube construction provides good tensile strength and isolation from external forces.

### Standards:

NEC Article 770: Type OFNR.

ICEA S-104-696: Optical Fiber Premises Distribution Cable.

RoHS Compliant.