

## OUTSIDE PLANT FIBER OPTIC CABLE (OSP TYPE) FIGURE-8 , TIGHT BUFFERED , SINGLE JACKET SINGLE MODE AND MULTIMODE FIBER

### CONSTRUCTION:

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

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

**OVERALL STRENGTH MEMBER** WATER-BLOCKED ARAMID (KEVLAR) FIBER/YARN ON OUTSIDE OF ASSEMBLY.

**MESSENGER** 1/4" 7STRANDED EXTRA HIGH STRENGTH GALVANIZED STEEL MESSENGER IS PLACED NEXT TO THE CABLE CORE.

**OVERALL JACKET** BLACK POLYETHYLENE (PE) IS EXTRUDED OVER THE CORE AND MESSENGER TO CREATE A "FIGURE-8" CROSS SECTION.

Charlotte Wire Part#	Number of Fibers	Cable Diameter (in.)	Cable Height (in.)	Approx. Net Wt. (Lbs/Mft)
CW19200	2	.31"	.70"	175
CW19201	4	.31"	.70"	175
CW19202	6	.31"	.70"	175
CW19203	8	.31"	.70"	175
CW19204	12	.31"	.76"	175
CW19205	18	.31"	.76"	177
CW19206	24	.37"	.83"	183
CW19207	36	.38"	.84"	195
CW19208	48	.43"	.88"	206

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

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

**APPLICATION:** Suitable for interbuilding installation or communications backbones in aerial installations. Tight buffered Fibers provide for lighter weight, more flexibility, and easier Termination and connection.

**Standards:**

ICEA S-87-640: Optical Fiber Outside Plant Communication Cable.  
TIA-568  
TIA-598