

Connections

CONNECTING THE NEXT GENERATION

Keeping You In The Loop - April 2021

Customers frequently ask; “What are the maximum fiber counts that TLC offers?”

Below is a list of the product lines and the corresponding maximum fiber counts.

MAXIMUM TLC FIBER COUNTS BY PRODUCT FAMILY

Micro-distribution(3mm subunits)	96
Micro-distribution(2mm subunits)	144
High Density (one subunit)	24
Dry Loose Tube (plenum/riser)	144
Breakout Cable	18 OFNR / 12 OFNP
Tight Buffer (indoor and indoor/outdoor)	144 OFNR / 96 OFNP
Ribbon	12
Aarmor Tight Buffer (indoor and indoor/outdoor)	48
Aarmor micro-distribution and Dry Loose Tube	144
Flat Drop	12



Ask Engineering

I hear the term “tight buffer” all the time. What exactly does that mean?

According to ICEA S-83-569-2011 Standards, the definitions of Tight Buffered Fiber and Loosely Bound Buffered Fiber (Loose Buffer) are below:

Tight Buffered Fiber (3.2.1)

A tight buffer consists of one or more layers of buffer material applied around the individual optical fiber, so that it is in intimate contact with the primary coating of the fiber. The coating of the tight buffered fiber is generally adhered to the primary coating of the fiber such that all coatings are removed during stripping, leaving only bare glass.

Loosely Bound Buffered Fiber (3.2.2)

A loosely bound buffer is substantially the same in function and construction as a tight buffer, but is not in such intimate contact with the primary coating of the fiber. The loosely bound buffer is capable of being removed without affecting the fiber coating. TLC simply refers to this construction as “loose buffer”.

TLC offers 900µm, 800µm and 650µm tight buffered fibers.