

DS0 Explanation (Beer Analogy)

A DS0 is the smallest capacity digital circuit: 1 DS0 = 1 voice/data line
Think of a DS0 as a can of beer.

1 can of beer = 1 DS0



DS1 Explanation (Beer Analogy)

A DS1 contains 24 DS0 circuits bundled together.



**24 cans of beer = 1 case
(1 case) = 1 DS1**

DS3 Explanation (Beer Analogy)

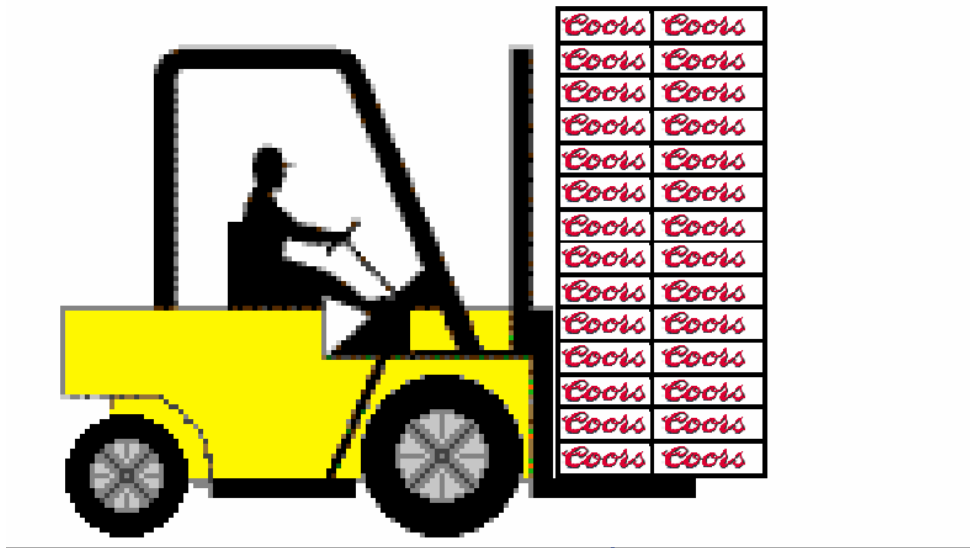
A DS3 is made up of 28 DS1's bundled together. A DS3 contains 672 DS0's

If you think of a DS0 as a can of beer, it is easy to see the relationship to a DS1.

A DS1 represents 24 DS0's, or a case of beer.

Think of a DS3 as a pallet load of beer. One pallet holds 28 cases of beer, or 672 individual beers. (28 DS1's, 672 DS0's).

Each DS0 on a DS1 has a unique identifier, and each DS1 on a DS3 has a unique identifier for installation, billing and repair purposes.



1 pallet = 1 DS3
The beer pallet carries 28 cases or 672 beers
1 DS3 Carries 28 DS1s
28 DS1s = 672 DS0s

OC3 Explanation (Beer Analogy)

An OC3 is made up of 3 DS3's bundled together. An OC3 contains 2,016 DS0's

Think of an OC3 as a beer truck, it holds 3 pallets of beer, or 2,016 individual beers. (3 DS3's = 2,016 DS0's).



1 beer truck = 1 OC3
The beer truck carries 3 pallets (84 cases or 2,016 beers)
1 OC3 Carries 3 DS3's (or 84 DS1's)
84 DS1s = 2016 DS0's

OC12 Explanation (Beer Analogy)

An OC12 can carry 4 OC3's bundled together. An OC12 can carry 8,064 DS0's

Think of a OC12 as a train car. It holds 4 beer trucks, or 8,064 individual beers.
(1 OC12 = 4 OC3's = 12 DS3's = 336 DS1's = 8,064 DS0's).



1 train car = 1 OC12
The car carries 4 beer trucks (or 8,064 beers)
1 OC12 Carries 336 DS1s
336 DS1s = 8,064 DS0s

OC48 Explanation (Beer Analogy)

An OC48 can carry 4 OC12's bundled together (or 32,256 DS0's)

**Think of an OC48 as a train with 4 rail cars, or 32,256 individual beers.
(1 OC48 = 4 OC12's = 16 OC3's = 48 DS3's = 1,344 DS1's = 32,256 DS0's).**

Each OC48, OC12, OC3, DS3, DS1 and DS0 has a unique identifier for installation, billing and repair purposes



1 train = 1 OC48

1 train car = 1 OC12

The train contains 4 rail cars or 32,256 beers.

1 OC48 Carries 32,256 DS0's