information | Product discontinuation ETHERLINE® MARINE FRNC FC CAT.5 2x2x22AWG
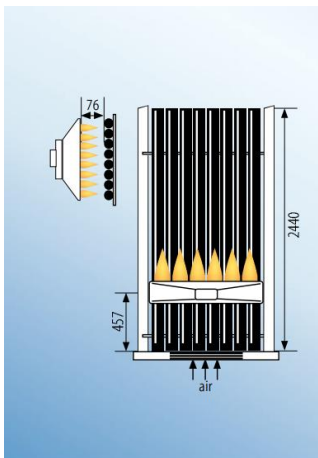
<u>Difference in flame test for CM and CMG Listings:</u>
To achieve a CM or CMG Listing, a flame test has to be passed by the cable. Here, we describe the respective flame tests connected to a CM and CMG Listing.

<u>CM Listing – UL Vertical-Tray Flame Test (UL 1685)</u>
One layer of cables is fixed to a ladder, according to below illustration (quantity depends on the cable diameter). The length of each sample is 2.44 m. The cable does not spread flame to the top of the tray. Test duration is 20 minutes (2 test runs).

<u>CMG Listing – CSA FT4 Vertical-Tray Flame Test (UL 1685)</u>
The flame test construction is very similar to the above-mentioned UL Vertical-Tray Flame Test, also having a sample length of 2.44 m and a test duration of 20 minutes (2 runs). However there are some critical adaptations: Instead of just one layer, **several** layers of cable are being fixed to a ladder. Also, the burner (flame source) is mounted at 20° from the horizontal with the burner ports facing up. The maximum char length for this flame test is only 4 ft 11in. (approx. 1,5 m).

Due to the multiple layers of cable, the burner position and the reduced maximum char length, the CSA FT4 flame test for the CMG Listing is to be regarded as more severe than the UL Vertical-Tray Flame Test for the CM Listing.