TMS/ITS – Approved Products List

Micro Fiber Cables

Micro fiber cables shall comply with the following specifications:

A. Micro pigtail shall be designed for outdoor use.
B. Minimum Storage -40 °C to 80 °C (-40 °F to 176 °F)
C. Installation -30 °C to 80 °C (-22 °F to 176 °F)
D. Minimum Operation -40 °C to 80 °C (-40 °F to 176 °F)
E. Maximum Dynamic Tensile Strength 800 N
F. Maximum Static Tensile Strength 600 N
G. Maximum Dynamic Crush Resistance 5000 N
H. Maximum Static Crush Resistance 3000 N
I. Minimum Dynamic Bend Radius 20 X Diameter
J. Minimum Static Bend Radius 10 X Diameter
K. Nominal Outer Diameter 6.5 mm
L. Approximate Weight of 55 kg/km
M. Stainless Steel Tube Outer Diameter 4.4 mm nominal
N. Stainless Steel Tube Inner Diameter 3.2 mm nominal
O. Fiber Count Six (6)
P. Kevlar/Water block yarn Dry Block Tape
Q. Kevlar 1000dtex Maximum
R. Outer Jacket Material: PE Color: Black
S. 0.9mm color coded fiber,
T. Outer Jacket (Black)
U. Design and Test Criteria: ANSI/ICEA S-87-640
V. Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
W. Jacket length markings on one-meter (three-foot) intervals showing the manufacturer, fiber count, mode, and length in meters.

Single Mode Fiber Specifications

A. Fiber Optic Cable Model # TF6-OS2-PE
B. Wavelengths/Max. Attenuation 1310 | ≤ 0.35dB/kmG1550 | ≤ 0.25dB/km
C. Fiber core/cladding diameter 9/125 um
D. Data Rate Up to 100 GB

Multimode Fiber Specifications

A. Fiber Optic cable Model # TF6-OM1-PE
B. Wavelengths/Max. Attenuation 850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
C. Fiber core/cladding diameter 62.5/125 um
D. Maximum Data Rate 1 GB