MTRJ - LOOPBACK CABLE

MTRJ Multi-Mode Fiber Loopback Cable

Provides a looped (circular) signal from source device to hardware for testing purposes, enabling a signal check for both transmitting and receiving functions.

- Durability – Over 500 cycles: < = 0.2 dB change.
- Insertion Loss – 0.2 dB typical: < 0.75 dB max.
- Reflectance – 20 dB min.
- Length – 3 inches.

CABLE – SPECIFICATIONS

1. OPTICAL FIBERS

NUMBER OF FIBERS: 2
FIBER TYPE: ALL GLASS GRADED INDEX
CORE DIAMETER: TWO 50/62.5 +/- 3 MICRONS
CLAD DIAMETER: 125 +/- 2 MICRONS
PRIMARY COATING DIAMETER: 245 +/- 15 MICRONS
PRIMARY COATING MATERIAL: ACRYLATE
SECONDARY COATING DIAMETER: 900 +/- 50 MICRONS
SECONDARY COATING MATERIAL: PVC
ATTENUATION @ 850NM: 3.5 DB/KM MAXIMUM
@ 1300NM: 1.0 DB/KM MAXIMUM
BANDWIDTH @ 850NM: 220 MHZ-KM MINIMUM
@ 1300NM: 600 MHZ-KM MINIMUM
NUMERICAL APERTURE: .275 NOMINAL
PROOF TEST LEVEL: 100,000 PSI

2. CABLE CONSTRUCTION - DIMENSIONS

STRENGTH MEMBER: HIGH MODULUS ARAMID YARN
OUTER JACKET DIAMETER: .071" X .157" (1.8MM X 4.0MM)
OUTER JACKET MATERIAL: PVC, ORANGE

3. PHYSICAL PROPERTIES

WEIGHT: 10 LBS/1000 FT
MAXIMUM LOAD FOR INSTALLATION: 230 LBS
MAXIMUM LOAD FOR LONG TERM APPLICATION: 110 LBS
MINIMUN BEND RADIUS FOR INSTALLATION: 2"
MINIMUM BEND RADIUS FOR LONG TERM APPLICATION: 1"
OPERATING TEMPERATURE RANGE: -4 TO +158 DEG F
(-20 TO +70 DEG C)
STORAGE TEMPERATURE RANGE: -40 TO +158 DEG F
(-40 TO +70 DEG C)
APPLICABLE SPECIFICATIONS: FDDI PMD, ANSI X3T9.5
UL/NEC RATING: TYPE OFNR
CSA/CEC RATING: TYPE OFN, FT-4

RoHS COMPLIANT

CONNECTOR

MATERIAL

1. MAIN BODY MATERIAL

PLASTIC HOUSING
THERMOSET PLASTIC, GLASS FILLED

2. HOUSING/BOOT COLOR

BLACK – (SM/MM)

SPECIFICATIONS

PLUG PUSH/PULL FORCE: ≤ 6.7 KGF
FERRULE ID. (UM): $126^{-1}_{-0.05}$ (SM), 127 ± 1 (MM)
FERRULE OD. (MM): L = 4.4 ± 0.05,
H=2.45 ± 0.05 FOR SM AND MM
FERRULE CONCENT: ≤ 0.003MM (SM), ≤ 0.006MM (MM)
BOOTS ID. (MM): 3.0

SHEET: 1 OF 1	ALL COPY RIGHTS RESERVED
SIZE: LTR	Tri-Net Technology, Inc./U.S.A.
DIA:	800-LP-MTRJ-62.5
SCALE:	
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