

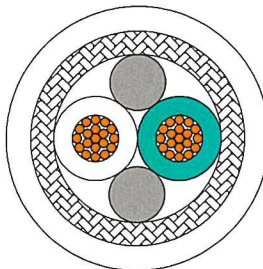


MARMON AEROSPACE & DEFENSE

RSCC Aerospace & Defense™

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Drawing Number
STM01-600 TYPE II



- 1.0 COMPONENT I:
Conductor: 24AWG 19/36 Silver Coated Copper Alloy - .024"
Insulation: Irradiation Cross-Linked ETFE - .046" ± .002"
- 2.0 TWISTED PAIR: Two (2) Component I (Wht & Lt Blue) and Two (2) Fillers cabled together with a 1.00" ± .25" Left hand Lay.
- 3.0 SHIELD: #38AWG Silver Coated Copper Braid – 90% Minimum Coverage
- 4.0 JACKET: Irradiation Cross-linked ETFE - .007" Nominal Wall
Print Legend: **STM01-600 TYPE II 61123**
- 5.0 DIAMETER: .130" ± .007"
- 6.0 REQUIREMENTS
ATTENUATION: 1.4 db/100ft. (max) @ 1 MHz
CHARACTERISTIC IMPEDANCE: 77 OHMS ± 7 OHMS
CAPACITANCE: 30 PF/FT MAX.
VELOCITY OF PROPAGATION: 66% (Nom)
CONDUCTOR RESISTANCE: 28.4 ohms/1000 ft. (nom)
INSULATION RESISTANCE: 5,000 MEGOHMS (min) for 1000 ft.
JACKET FLAWS: 1,500 V rms (SPARK TEST)
VOLTAGE WITHSTAND: 1,500 V (rms)
FLAMMABILITY: FAR 25
ACCELERATED AGING – 300C
COLD BEND: -65C
VOLTAGE WITHSTAND POST ENVIRONMENTAL 1,500 V (rms) – 30 seconds
INSULATION ELONGATION: 50% (min)
JACKET ELONGATION: 75% (min)
JACKET TENSILE: 5000 PSI (min)

Customer:	Drawn By: K Coderre	Approved By: B Wood	Revision: 0	Date: 2-5-16
Changes:	Made By:	Approved By:	Revision:	Date: