



### CONTACT

Market information  
[industryprojects.business@lynxogroup.com](mailto:industryprojects.business@lynxogroup.com)

OVER SHIELDED AND JACKETED LOW NOISE TRANSMISSION CABLE 260°C

### STANDARDS

National ESW 1404-022

### CONSTRUCTION

#### 2 CORES

19 x 0.20 mm nickel plated  
 copper clad steel  
 Diameter =  $0.99 \pm 0.05$  mm  
 Semi-conductive tape

PTFE tape(s) insulation  
 Diameter =  $1.80 \pm 0.10$  mm  
 Semi-conductive tape  
 Nominal Diameter = 1.95 mm

- GLASS FIBER FILLERS
- SEMI-CONDUCTIVE TAPE

#### 1st SHIELD

Nickel plated copper 12/100

#### INNER JACKET

Polyimide tape(s)

#### 2nd SHIELD

Nickel plated copper 12/100

#### OUTER JACKET

Polyimide tape(s)  
 PTFE tape(s)  
 Minimum Diameter = 5.30 mm



Electro magnetic interference resistance  
**Yes**



Flame retardant  
**FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)**



Operating temp.  
**-65 ... 260 °C**



Oil resistance  
**Very good resistance to aircraft fluids**

**CHARACTERISTICS****Dimensional characteristics**

Maximum weight	77 g/m
----------------	--------

**Electrical characteristics**

Operating voltage	600 V
-------------------	-------

Minimum insulation resistance	1000 MOhm.km
-------------------------------	--------------

Nominal capacitance between cores and shield	310 pF/m
----------------------------------------------	----------

Triboelectrical noise at 3 Hz	Displacement 10 mm pk-pk : $\leq 0.1$ pC
-------------------------------	------------------------------------------

Triboelectrical noise from 5 to 50 Hz	Displacement 5 mm pk-pk : $\leq 0.1$ pC
---------------------------------------	-----------------------------------------

Triboelectrical noise From 50 to 120 Hz	Displacement 2.5 mm pk-pk : $\leq 0.1$ pC
-----------------------------------------	-------------------------------------------

**Usage characteristics**

Electro magnetic interference resistance	Yes
------------------------------------------	-----

Flame retardant	FAR/JAR part 25 sec 25.869 (a)(4) Appendix F part 1 (3)
-----------------	---------------------------------------------------------

Operating temperature, range	-65 ... 260 °C
------------------------------	----------------

Oil resistance	Very good resistance to aircraft fluids
----------------	-----------------------------------------

**SELLING AND DELIVERY INFORMATION****IDENTIFICATION**

Cores: White - Blue

**MARKING**

ESW1405-024-006-FX-FF-\*\* 957.37.20.6899

With :

\*\* = Year of manufacturing (ie. 14 = 2014)