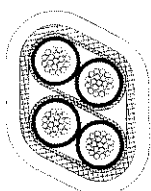
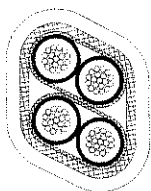
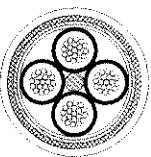
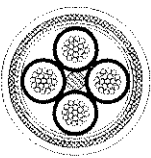
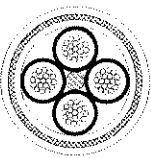


Tensolite

NETflight™

High-Performance Cable

Aerospace Grade 100BASE-T Ethernet Cables



P/N:	NF26Q100-01	NF24Q100-01	NF22Q100-01	NF24P100	NF22P100
Conductor AWG Size(19 Strand):	26	24	22	24	22
Conductor Material:	SCCA	SCCA	SCC	SCCA	SCC
Nom Conductor Diameter(in):	0.0189	0.0233	0.0295	0.0233	0.0295
Insulation Material:	PTFE	PTFE	PTFE	PTFE	PTFE
Nom Insulation Diameter(in):	0.038	0.045	0.055	0.063	0.070
Pair #1:	Red, Blue	Red, Blue	Red, Blue	Red, Red/Black	Red, Red/Black
Pair #2:	Yellow, Green	Yellow, Green	Yellow, Green	Blue, Blue/Black	Blue, Blue/Black
Nom Cable Diameter(in):	0.137	0.163	0.190	0.175 x 0.270	0.195 x 0.290
Nom Cable Weight(lbs/1000 ft):	18.0	24.5	34.5	35.0	43.0
Impedance ± 10%(Ω):	100	100	100	100	100
Nom Capacitance(pF/ft):	13	13	13	13	13
Nom Velocity of Propagation:	80%	80%	80%	80%	80%
Nom/Max Attenuation(dB/100 ft):	$\frac{10 \text{ MHz}}{2.5/3.2}$ $\frac{100\text{MHz}}{9.3/11.0}$	$\frac{10 \text{ MHz}}{2.3/2.7}$ $\frac{100\text{MHz}}{8.0/9.2}$	$\frac{10 \text{ MHz}}{1.8/2.2}$ $\frac{100\text{MHz}}{6.4/7.3}$	$\frac{10 \text{ MHz}}{1.8/2.1}$ $\frac{100\text{MHz}}{6.0/7.1}$	$\frac{10 \text{ MHz}}{1.6/2.0}$ $\frac{100\text{MHz}}{5.6/6.7}$
Min NEXT(dB):	50	50	50	53	53
Min SRL(dB):	23	23	23	23	23
Cable Budget Length to meet CAT5e Requirements:	200 ft (61m)	240 ft (73m)	300 ft (91m)	310 ft (94m)	330 ft (100m)

Shielding consists of inner TCC flat braids and outer TCC round braids. The jackets are extruded FEP. The cables are rated for maximum service at 150°C (200°C rated cables available upon request).
 SCC - Silver Coated Copper
 SCCA - Silver Coated Copper Alloy
 TCC - Tin Coated Copper

Flammability meets or exceeds FAR25.869 requirements.
 Smoke and toxicity meet or exceed Boeing and Airbus requirements.



100 Tensolite Drive, St. Augustine, FL 32092 (800) 458-9960

Subject to change without notice - Feb 2004