

CFPO (Y/G)

Cary Industries CFPO (Y/G) is an irradiated polyolefin shrinkable tubing commonly used to provide positive identification of ground wires in accordance to international standards. CFP (Y/G) uses a dual extrusion of tubing colors (yellow and green) to give a permanence of color and performance, and still retains all the characteristics of regular CFPO. This material has a shrink temperature of 120C (247F) and an operating temperature of -55C (-67F) to 135C (275F).

Ordering Size	Minimum Expanded ID		Maximum Recovered ID		Nominal Recovered Wall		Standard Spool
	Inch	mm	Inch	mm	Inch	mm	
3/32"	.093	2.4	.046	1.2	.020	.51	1000
1/8"	.125	3.2	.062	1.6	.020	.51	1000
3/16"	.187	4.8	.093	2.4	.020	.51	1000
1/4"	.250	6.4	.125	3.2	.025	.64	500
3/8"	.375	9.5	.187	4.8	.025	.64	500
1/2"	.500	12.7	.250	6.4	.025	.64	250
3/4"	.750	19.1	.375	9.5	.030	.76	250
1"	1.000	25.4	.500	12.7	.035	.89	250
Mil-I-23053/5 Class 1	UL-224	125C	VW-1	AMS 3636	CSA		

CFPO Technical Data

Physical

Tensile Strength	2200 PSI
Ultimate Elongation	250% min
Longitudinal Change	+/-10%
2% Secant Modulus	8000 PSI (53mpA)
Specific Gravity	1.3
Heat Aging (336 Hrs @ 175C)	Elongation 150% Min
Heat Shock (4 Hrs @ 200C)	No dripping, cracking passes mandrel wrap test
Low Temperature Flexibility (4Hrs @ -55C)	No cracking
Flammability	Self Extinguishing meets UL 224 All-Tubing flame test

Electrical

Dielectric Strength	500V/mil
Volume Resistance	10(14) ohm-cm

Chemical

Corrosive Effect	Non-corrosive
Solvent Resistance: Tensile Strength	1000 PSI
Dielectric Strength	400 V/mil
Water Absorption	0.2%
Fungus Resistance	Non Nutrient

*Above values are typical performance data and should not be used as design data.

Mil Spec Information

Mil-I-23053/5-

101	3/64"
102	1/16"
103	3/32"
104	1/8"
105	3/16"
106	1/4"
107	3/8"
108	1/2"
109	3/4"
110	1"