

CASPEEK™ 260

-60°C to +260°C, 600V



Construction

Type: PEEK insulated wire
Core: Copper (custom alloys and plating services available upon request)
Insulation: PEEK

Production

Range width: AWG 26 to 10
Options: Please consult us for any special requirements

Application

Solenoids: allows solenoids to be made using maximum windings to produce a maximum magnetic field within a limited space.
Wire and cable: when high performance is needed in wire and cable application

General characteristics

Weather conditions: excellent resistance to UV
Chemical behaviors: excellent resistance to aggressive chemical environments
Humidity: excellent resistance to humidity
Mechanical behaviors: excellent mechanical strength

Thermal characteristics

Operating temperature: -65°C to +260°C
(short time 300°C)

Electrical characteristics

Operating Voltage: 600V
Test voltage: 1500V

Approvals – Standards

Halogen free: IEC 60754-2 / EN 60754-2

Casmco Part No.	Cross section		Conductor Structure			Conductor Diameter		Wall Thickness		Final O.D.	
	(AWG)	(mm²)	# Strands	Diam. Of Strands		(in)	(mm)	(in)	(mm)	(in)	(mm)
				(in)	(mm)						
5100101	26	0.12	7	0.006	0.15	0.018	0.45	0.008	0.20	0.033	0.85
5100102	25	0.2	7	0.008	0.2	0.024	0.60	0.010	0.25	0.043	1.10
5100103	22	0.35	19	0.006	0.16	0.031	0.80	0.010	0.25	0.051	1.30
5100104	20	0.5	19	0.007	0.18	0.035	0.90	0.010	0.25	0.055	1.40
5100105	19	0.75	19	0.009	0.23	0.045	1.15	0.010	0.25	0.065	1.65
5100106	18	1	19	0.006	0.16	0.051	1.30	0.010	0.25	0.071	1.80
5100107	17	1.2	19	0.011	0.28	0.055	1.40	0.012	0.30	0.079	2.00
5100108	16	1.5	19	0.013	0.32	0.063	1.60	0.012	0.30	0.087	2.20
5100109	15	2	19	0.015	0.37	0.073	1.85	0.012	0.30	0.096	2.45
5100110	14	2.5	19	0.016	0.41	0.081	2.05	0.016	0.40	0.112	2.85
5100111	12	4	37	0.015	0.37	0.102	2.60	0.016	0.40	0.134	3.40
5100112	10	6	45	0.018	0.45	0.126	3.20	0.020	0.50	0.165	4.20