



Siechem AERO 55 600V Twisted Twin Core Statistical Process Controlled Shielded Airframe Cables

AERO 55

Application

- ✓ Hook up signal wire & cables used in aircraft, avionics, military electronics, satellites, helicopters, missiles, automobiles and appliances.

Features

- ✓ Insulation does not shrink in hostile working environment .
- ✓ Better cut though resistance characteristics
- ✓ Single or dual wall constructions.
- ✓ Small size and light weight.
- ✓ No melting or dripping due to prolonging excess heat because of EBXL process.
- ✓ Resistance to soldering iron & over load.
- ✓ Excellent chemical resistance to many acids, carbon solvents, fuels, lubricants, missile fuels, oxidizers etc.
- ✓ Temperature rating -65°C to + 200°C [-85°F to +392°F], stable installed performance in very hot, extremely cold and high vacuum conditions
- ✓ Outstanding electrical arc tracking resistance in wet and dry conditions.
- ✓ Very low toxic.
- ✓ Mechanical ruggedness.
- ✓ Good flexibility.
- ✓ Excellent scrape abrasion.
- ✓ RoHS Compliant.

Product Construction

- ✓ Conductor : Annealed Tinned Copper Conductor (Optional : Silver Coated Copper Conductor / Nickel Coated Copper Conductor)
- ✓ Insulation : Radiation Cross-Linked Specially Formulated ETFE (Ethylene Tetrafluoroethylene)
- ✓ Shielding : Annealed Tinned Copper.
- ✓ Outer sheath: Radiation Cross-Linked Specially Formulated ETFE (Ethylene Tetrafluoroethylene)
- ✓ No. of cores : 2
- ✓ Colour : As Per Customer Order.

Technical Data

- ✓ Temperature Rating
 - i) Tin Plated Conductor : -65°C to + 150°C
 - ii) Silver or Nickel Plated Conductor : -65°C to + 200°C
- ✓ Voltage Rating : 600V, Medium weight
- ✓ Scrape Abrasion : >100 cycles
- ✓ Flexing Endurance : >1000 cycles
- ✓ Shrinkage : < 1 %
- ✓ Thermal Endurance : 200°C, 10000h
- ✓ Permittivity at 1KHz : 2.7
- ✓ Dissipation Factor : 0.001

Standards

- ✓ SAE AS227759/32-35 and / 41 to / 46
- ✓ NEMA-WC-27500(Cables)
- ✓ Def-Stan 61-12 Part 33 Issue 5
- ✓ VDE 9426, 9427, 9428
- ✓ British Standard 3G233
- ✓ Boeing BMS 13-48
- ✓ Airbus ABS 0820 to 0826
- ✓ ASTM D150

ISO 9001	ISO 14001	OHSAS 18001	AS 9001	ISO 45001			CE
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Part Number	Wire Size (AWG)	Cross Section Area (Sq.mm)	No.of Cores (Nos.)	No.of Strands (Nos.)	Diameter of Single Wire (Nom.) (mm)	Overall Diameter (Nom.) (mm)	Cable Weight (Approx.) (kg/km)
55P5108502	26	0.13	2	19	0.10	2.35	11.34
55P5108402	24	0.20	2	19	0.13	2.90	13.90
55P5108302	22	0.33	2	19	0.16	2.91	17.89
55P5108202	20	0.52	2	19	0.20	3.32	23.84
55P5108102	18	0.82	2	19	0.25	3.80	32.10
55P5108002	16	1.31	2	19	0.29	4.18	39.00
55P5107902	14	2.08	2	19	0.36	4.94	55.21
55P5107802	12	3.31	2	37	0.32	5.94	80.23
55P5107702	10	5.26	2	37	0.40	7.41	123.65



Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr⁶⁺ Free	PBB Free	PBDE Free
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